Winter 2022-2023 Atmospheric Compliance Monitoring Program Report

Doris and Madrid Projects

Final Report

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October 30, 2023

Project No.: 160930542

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Executive Summary

This report presents the results of ambient air quality, dustfall, nitrogen dioxide and meteorological monitoring conducted by Agnico Eagle Mines Ltd. (Agnico Eagle) at the Doris and Madrid Sites (the Sites) from October 2022 to April 2023 (Winter 2022 – 2023). The monitoring program is outlined in the Air Quality Management Plan (AQMP; TMAC 2016, 2019). To calculate annual average concentrations for requisite parameters, data from May to September 2022 (already reported by Agnico Eagle in the Q1-Q3 2022 Ambient Monitoring Report (Nunami Stantec, 2023)) were also utilized in this report.

Monitoring around the Doris and Madrid Sites continued using the same methods/locations as in previous years.

The Winter 2022 – 2023 monitoring program included the following:

- Snow core sampling for dustfall at six locations in the vicinity of the Doris Site and nine locations in the vicinity of the Madrid Site utilizing snow cores over the period October 18, 2022, to April 14-16, 2023.
- Total Suspended Particulate (TSP) and particulate less than 2.5 microns ($PM_{2.5}$) using continuous monitors at one location at the Doris site.
- Nitrogen Dioxide (NO_2) using a continuous monitor at one location at the Doris site.
- Meteorological monitoring for wind speed, wind direction, temperature, relative humidity, snowfall, rainfall, solar radiation, and barometric pressure at one location. The meteorological data were used in the interpretation of the air quality measurements.

The results of the Winter 2022 – 2023 ambient monitoring were compared to:

1. Relevant ambient air quality Standards, Objectives and Guidelines (SOGs)
2. Dustfall predictions downwind of the Tailings Impoundment Area (TIA) included in the 2016 Doris North Project Certificate and Type A Water License Amendment Application (the 2016 Amendment)
3. The Madrid Project dispersion model predictions for dustfall presented in the Final Environmental Impact Statement (FEIS) Air Quality Assessment (Nunami Stantec, 2017)

A summary of the results and conclusions of the Winter 2022 – 2023 compliance monitoring program are presented in Table I.

Table I: Summary of Winter 2022 – 2023 Compliance Monitoring Results

Measurement Parameter	Monitoring Period	Averaging Period	Results	Report Section	Action
Dustfall using Snow Core Sampling – Doris Site	October 2022 – April 2023	30-day	• All measurements were below the ambient air quality objective for industrial and commercial areas. • Three measurements were above the maximum dustfall prediction in the 2017 FEIS for the Madrid-Boston Project (2017 FEIS) with two of these measurements within the expected range of variability for the dispersion modelling predictions and the third was likely contaminated, resulting in it being biased high. All other measurements were less than the relevant dustfall predictions in the 2016 Amendment/2017 FEIS.	4.1.1	Results Satisfactory
Dustfall using Snow Core Sampling – Madrid Site	October 2022 – April 2023	30-day	• All measurements were below the ambient air quality objective for industrial and commercial areas. • All measurements were less than the maximum dustfall predictions in the 2017 FEIS for the Madrid-Boston Project.	4.1.2	Results Satisfactory
TSP	October 2022 – April 2023	24-hour	• All measurements were below the ambient air quality objective. • All measurements were less than the maximum 2017 FEIS prediction.	4.2.1	Results Satisfactory
	May 2022 – April 2023	annual	• A valid annual average could not be calculated due to monitor installation/operation complications resulting in the annual data recovery rate being less than the target level.	4.2.1	Agnico Eagle is reviewing the monitoring data and instrument logs to assess potential causes and will implement remedial measures

Measurement Parameter	Monitoring Period	Averaging Period	Results	Report Section	Action
$PM_{2.5}$	May 2022 – April 2023	24-hour	• The measured 98th percentile concentration was below the Canadian Ambient Air Quality Standards (CAAQS). • The measured 98th percentile concentration was below the maximum 2017 FEIS prediction.	4.2.2	Results Satisfactory
	May 2022 – April 2023	annual	• A valid annual average could not be calculated due to monitor installation/operation complications resulting in the annual data recovery rate being less than the target level.	4.2.2	Agnico Eagle is reviewing the monitoring data and instrument logs to assess potential causes and will implement remedial measures
NO_2	October 2022 – April 2023	1-hour	• All measurements were below the ambient air quality objective. • The 98th percentile of the measured daily maximum 1-hour average NO_2 concentrations from May 2022 to April 2023 was below the CAAQS.	4.3	Results Satisfactory
	October 2022 – April 2023	24-hour	• All measurements were below the ambient air quality objective.	4.3	
	May 2022 – April 2023	annual	• The annual average was below the Government of Nunavut (GN) ambient air quality objective and the CAAQS.	4.3	

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Abbreviations

µg	Microgram
AAAQO	Alberta Ambient Air Quality Objective
Agnico Eagle	Agnico Eagle Mines Limited
ALS	ALS Laboratory Group
AMSL	Above Mean Sea Level
ASTM	American Society for Testing and Materials International
BC	British Columbia
BC MoE	British Columbia Ministry of the Environment
CAAQS	Canadian Ambient Air Quality Standards
CALA	Canadian Association for Laboratory Accreditation
CCME	Canadian Council of Ministers of the Environment
cm	Centimetre
dm^2	Square decimetre (equal to 100 square centimetres)
ECCC	Environment and Climate Change Canada
ERM	ERM Consultants Canada Ltd.
FEIS	Final Environmental Impact Statement
GN	Government of Nunavut
hr	Hour
km	Kilometre
m	Metre
m^2	Square metre
m^3	Cubic metre
mg	Milligram
$mg/dm^2/d$	Milligrams per square decimeter per day
$mg/100\text{-}cm^2/30\text{-}days$	Milligram per 100 square centimetres per 30-day period
mg/L	Milligram per Litre
NAPS	National Ambient Air Quality Pollution Surveillance Program
NIRB	Nunavut Impact Review Board
NO_2	Nitrogen Dioxide
Nunami Stantec	Nunami Stantec Ltd.
NWB	Nunavut Water Board
PM	Particulate Matter
PM_{10}	Particulate Matter less than 10 µm in diameter
$PM_{2.5}$	Particulate Matter less than 2.5 µm in diameter
Projects	Doris and Madrid Projects
PDA	Project Development Area
ppb	Parts per billion

QA/QC	Quality Assurance/Quality Control
Sites	Doris and Madrid Sites
SOGs	Standards, Objectives and Guidelines
SOP	Standard Operating Procedure
SWE	Snow-Water Equivalent
TIA	Tailings Impoundment Area (Doris)
TMAC	TMAC Resources Inc.
TSP	Total Suspended Particulate
TSS	Total Suspended Solids
US	United States
US EPA	United States Environmental Protection Agency

1 Introduction

This report presents the results of ambient air quality, dustfall, nitrogen dioxide (NO_2) and meteorological monitoring conducted by Agnico Eagle Mines Ltd. (Agnico Eagle) at the Doris and Madrid Sites (the Sites) from October 2022 to April 2023 (Winter 2022 – 2023). The monitoring program is outlined in the Air Quality Management Plan (AQMP; TMAC 2016, 2019). To calculate annual average concentrations for requisite parameters, data from May to September 2022 (already reported by Agnico Eagle in the Q1-Q3 2022 Ambient Monitoring Report (Nunami Stantec, 2023)) were also utilized in this report.

Agnico Eagle commissioned a new continuous monitor measuring NO_2 at the Doris site in October 2021.

The Winter 2022 – 2023 monitoring program included the following:

- Snow core sampling for dustfall at six locations in the vicinity of the Doris Site utilizing snow cores over the period October 18, 2022 (first snow fall with consistent sub-zero temperature) to April 14–16, 2023.
- Snow core sampling for dustfall at nine locations in the vicinity of the Madrid Site utilizing snow cores over the period October 18, 2022, to April 14–16, 2023.
- TSP and $PM_{2.5}$ using continuous particulate monitors at one location at the Doris site.
- NO_2 using a continuous monitor at one location at the Doris site.
- Meteorological monitoring for wind speed, wind direction, temperature, relative humidity, snowfall, rainfall, solar radiation, and barometric pressure at one location. The meteorological data were used in the interpretation of the air quality measurements.

No dustfall jar sampling is conducted during the winter period.

In accordance with Term and Condition 28 of Nunavut Impact Review Board (NIRB) Project Certificate No.003, Agnico Eagle maintains the Hope Bay Project Noise Abatement and Monitoring Plan (TMAC, December 2017) which requires environmental noise monitoring programs to be conducted during each project stage: pre-construction (baseline), construction, operation, and reclamation. Baseline and construction noise monitoring has been conducted and operations monitoring will be conducted at an appropriate timeframe during operations. No additional noise monitoring under the Hope Bay Project Noise Abatement and Monitoring Plan was conducted during the winter 2022 – 2023 period that was the subject of this report.

The results of the Winter 2022 – 2023 ambient monitoring were compared to:

- Relevant ambient air quality Standards, Objectives and Guidelines (SOGs);
- Dustfall predictions downwind of the Tailings Impoundment Area (TIA) included in the 2016 Doris North Project Certificate and Type A Water License Amendment Application (the 2016 Amendment); and,

- The Madrid Project dispersion model predictions for dustfall presented in the Final Environmental Impact Statement (FEIS) Air Quality Assessment (Nunami Stantec, 2017).

Madrid North activities in winter 2022 – 2023 corresponds with the operations phase air quality assessment presented in the Madrid-Boston Project 2017 FEIS (Nunami Stantec, 2017), so this study was used for comparison to the Madrid measurements. Activities at the Doris Site in winter 2022–2023 most closely correspond to the operations phase of the Madrid-Boston Project, so the Doris measurements were compared to the 2017 FEIS and the 2016 Amendment modelling of TIA deposition. Operations at both the Doris and Madrid North sites have been reduced in 2022 – 2023 due to the mine being placed in temporary Care and Maintenance.

2 Ambient Monitoring Data Comparisons

The results of the Winter 2022 – 2023 ambient monitoring were compared to relevant air quality standards, objective and guidelines and Doris / Madrid Sites dispersion modelling studies, as detailed in the following sections.

2.1 Air Quality Standards, Objectives and Guidelines

Ambient air quality Standards, Objectives and Guidelines (SOGs) have been developed by the Canadian federal government and individual provinces and territories to assist or mandate the management of common air contaminants.

The assessment incorporates the Nunavut Environmental Guideline for Ambient Air Quality (Government of Nunavut 2011). Nunavut does not have guidelines or standards for some of the air contaminants. In these cases, guidelines, objectives, or standards from the federal government (CCME 2016, 2020), British Columbia (BC) government (BC MOE 2016) and Alberta government (Alberta Environment and Parks 2019) have been used.

The ambient air quality SOGs that are used in this report are summarized in Table 2-1.

2.2 Dispersion Model Prediction Comparisons

Air quality dispersion models employ assumptions to simplify the random behaviour of the atmosphere into short periods of average behaviour. These assumptions limit the capability of the model to replicate every individual meteorological event. To compensate for these simplifications, a full year of meteorological data are applied to evaluate a wide range of possible conditions. Regulatory models are also designed to have a bias toward over estimation of contaminant concentrations (e.g., to be conservative under most conditions).

The 2017 FEIS modelling is expected to be conservative because the emission rates used in the modeling were conservatively estimated based on a combination of emission factors, engineering estimates and maximum production levels, and the dispersion modeling is expected to be conservative. The dispersion modelling utilized a maximum emissions scenario that was expected to result in the maximum predicted concentration of each contaminant outside of the modelled property boundary. On a day-to-day basis, the actual Doris-Madrid operations will likely differ from the maximum emissions scenario and therefore measured concentrations may differ from the model predictions for the location of the monitor.

2.2.1 Doris Site

During winter 2022 – 2023 Doris site had reduced operations. In October 2021 Agnico Eagle stopped Doris milling operations. In February 2022, Agnico Eagle announced its decision to place the Doris Mine into Care and Maintenance and suspend production at the Hope Bay Project. Of the scenarios assessed for the Doris site in the 2017 FEIS (construction and operation), these activities more closely correspond to the operations phase of the Madrid-Boston Project (as the construction scenario considered the Doris site operating plus construction activities that would generate additional emissions relative to the operations scenario). The 2017 FEIS predicted deposition rates in the vicinity of the monitors varied between 7.4 and 25.7 mg/100 cm^2/30-days.

The 2016 Doris North Project Certificate and Type A Water License Amendment Application (the 2016 Amendment) also contained predictions for dustfall. The Amendment predicted that Tailings Impoundment Area (TIA) maximum monthly dustfall contributions (modelled over three years) would be more than 53 mg/100-cm^2/30-days up to 250 m from the TIA and would drop to 2.1 mg/100-cm^2/30-days at approximately 1 km from the TIA. These predictions were for dustfall resulting from the subaerial deposition of tailings in the TIA only and did not include dust emissions from any other sources (e.g., unpaved roads) or project phases (e.g., construction), nor did these predictions include background (non-project related) dust contributions.

Dustfall measurements for the Doris Site were compared to the 2016 Amendment/2017 FEIS modelling for dustfall locations downwind of the TIA and the 2017 FEIS modelling for all other dustfall locations. Maximum Doris site FEIS predictions for TSP $PM_{2.5}$ and NO_2 are presented in Table 2-1.

Table 2-1: Ambient Air Quality Standards, Objective and Guidelines Compared to the 2017 FEIS Predictions

Contaminant	Units	Averaging Period	Nunavut Ambient Air Quality Guidelines [a]	Guidelines or Standards from Other Government Agencies		Maximum 2017 FEIS Predictions at Monitoring Sites	
				Value	Agency	Doris	Madrid
Total Suspended Particulate (TSP)	µg/m^3	24-hour	120	-	-	69.9	-
		Annual (geometric mean)	60	-	-	13.3	-
Particulate Matter <2.5 µm diameter ($PM_{2.5}$)	µg/m^3	24-hour	30	27 [b]	CAAQS[d]	12.1	-
	µg/m^3	Annual	-	8.8 [c]	CAAQS[d]	5.0	-
Dust deposition	mg/100-cm^2/30 days	30-day	-	158 (commercial and industrial areas)	Alberta Ambient Air Quality Objectives and Guidelines [e]	7.4 - 27.5	10.6 - 54

Contaminant	Units	Averaging Period	Nunavut Ambient Air Quality Guidelines [a]	Guidelines or Standards from Other Government Agencies		Maximum 2017 FEIS Predictions at Monitoring Sites	
				Value	Agency	Doris	Madrid
Nitrogen Dioxide	µg/m^3 (ppb)	1-hour	400 (212)	113 (60) [f]	CAAQS [h]	253 (134)	-
	µg/m^3 (ppb)	24-hour	200 (106)	-	-	174 (92)	-
	µg/m^3 (ppb)	Annual	60 (32)	23 (12) [g]	CAAQS [h]	65.4 (34.6)	-

NOTES:

Dash (-) = not applicable

a: Reference: Government of Nunavut 2011

b: The 24-hour $PM_{2.5}$ value is calculated from the 3-year average of the annual 98th percentile of the daily 24-hour average concentration.

c: The annual $PM_{2.5}$ value is calculated from the 3-year average of the annual average concentrations.

d: Canadian Ambient Air Quality Standards for O_3 and $PM_{2.5.}$ Reference: CCME 2020

e: Reference: Alberta Environment and Parks 2020

f: The 1-hour NO_2 value is calculated from the 3-year average of the 98th percentile of the daily maximum 1-hour average concentrations over a calendar year.

g: The annual NO_2 value is calculated from the average of all 1-hour average concentrations over a single calendar year.

h: Canadian Ambient Air Quality Standard for NO_2. Reference: CCME 2017.

2.2.2 Madrid Site

Dustfall measurements made in the vicinity of the Madrid North site (under reduced operations in Winter 2022 – 2023) were compared to operations predictions made in the air quality modelling study in the 2017 FEIS for the Madrid-Boston Project (Nunami Stantec, 2017). Operations phase dustfall predictions in the 2017 FEIS at the locations of the Madrid dust fall monitoring sites ranged from 10.6 to 54 mg/100-cm^2/30-days.

3 Monitoring Program Description

3.1 Monitoring Siting Criteria

Nunavut does not have established siting requirements for ambient air samplers. Therefore, the siting criteria from the BC MoE (BC MoE 2009) and the United States Environmental Protection Agency (US EPA 1999, 2009) were used. The monitoring locations were selected based on the following criteria:

- A stable 120 VAC power source is available (for continuous monitoring)
- The sampler is not in an area of future infrastructure development
- The sampler inlet is mounted at a height of 2 to 15 m above ground level (for continuous monitoring)
- The locations are accessible year-round
- The sampler is away from structures, vegetation, and topographic features
- Dustfall samplers are sited up and down wind of the surface facilities and zones of high activity, considering the dominant wind direction during the summer months
- The samplers are more than 20 m away from structures, vegetation, and topographic features

3.2 Dustfall

Dustfall is the measure of airborne particulate that has settled onto a given surface. The main dust generation sources will be from wind erosion from tailings facilities, the use of the crushers, and the movement of vehicles and large equipment on site. The dustfall monitoring program measures the quantities of dust deposited near project sites. Dustfall is monitored using dustfall canisters in the summer and by snow core sampling in the winter. Results of the monitoring program can be used to modify dust management procedures at the site, if required. Since dustfall measurements are a non-continuous methodology requiring laboratory analysis, the sampling is only used to retroactively confirm the effectiveness of mitigation measures. Real-time dust management on the site is carried out through application of water or approved chemical dust suppressants based on on-site observations of dust generation.

3.2.1.1 Doris Dustfall

Dustfall monitoring at the Doris site is undertaken at six locations, including a control station. The reasons for each selected location are provided in Table 3-1 and shown in Figure 3-1.

Table 3-1: Reasons for Doris Site Dustfall Sampling Locations

Station	Reason for Selected Location	UTM Coordinates (Zone 13W)		Elevation (m above mean sea level)
		Easting (m)	Northing (m)	
DFA1	This location has historical data and represents dustfall from the general site area, is located downwind of crushing activities, and close to the camp and mill site.	433731	7559047	28
CDF4	This station is located approximately 200 m away from Quarry 2, where crushing activities occur, to monitor dustfall from crushing activities.	432616	7558982	80
TIA-DF1	This station is located approximately 250 m downwind of the TIA tailings beach at a distance which corresponds with the maximum predicted monthly Project-generated dustfall of 53 mg/100-cm^2/30-days in the 2016 Amendment.	435881	7556806	51
TIA-DF2	This station is located approximately 1.65 km downwind (east) of the TIA tailings beach. This location is approximately 300 m west (upwind) of the location predicted to have a maximum annual TIA-generated dustfall level of 23 mg/100-cm^2/year (1.9 mg/100-cm^2/30-days) in the 2016 Amendment.	437318	7557017	46
TIA-DF3	This station is located approximately 3 km downwind of the TIA tailings beach at a distance which corresponds with minimal annual predicted Project-generated dustfall.	438574	7557252	23
ControlDF	This station is located well away from potential project contributions and represents background conditions. The station is approximately 2 km southwest of Windy Camp.	430993	7549219	35

Legend

- Project Development Area (PDA)
- Roads

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Project Location
Hope Bay,
Nunavut

160930343 REVA
Prepared by BCC on 2020-10-28
Technical Review by Greg Crooks on 2020-10-28

Client/Project
AGNICO EAGLE-HOPE BAY
NUNAMI STANTEC LIMITED

Figure No.
3-1

Title
Locations of the Doris Ambient Monitoring Stations

Notes

1. Coordinate System: NAD 1983 UTM Zone 13N
2. Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, © OpenStreetMap contributors, and the GIS User Community
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3.2.1.2 Madrid Dustfall

Dustfall monitoring stations around the Madrid site were installed in the Spring of 2019. Dustfall monitoring was undertaken at nine locations around the Madrid North and Madrid South locations, including a control station in the predominantly upwind location and three locations to quantify dustfall with perpendicular distance from the Doris-Madrid Road. The reasons for each selected location are provided in Table 3-2 and are shown in Figure 3-2.

Table 3-2: Reasons for Madrid Site Dustfall Sampling Location Selection

Station	Reason for Selected Location	UTM Coordinates (Zone 13W)		Elevation (m above mean sea level)
		Easting (m)	Northing (m)	
M-DF01	Control station in a predominantly upwind location to the Madrid sites – in the vicinity of the Windy Radio Tower.	432840	7549835	26
M-DF02	This station is located in the vicinity of the predicted maximum dustfall along the property boundary for the overall Madrid operations – 2 km east of Madrid North processing plant.	435586	7550597	44
M-DF03	This station is located in the vicinity of the predicted maximum dustfall along the property boundary in the vicinity of Madrid South operations – 2 km east of the Madrid South Portal.	436338	7547550	45
M-DF04	Station is located to assess the maximum impact inside the property boundary but outside the PDA near the Madrid North operations – along vent raise pad access road east of the ore stockpile.	433848	7549908	44
M-DF05	Station is located to assess the maximum impact inside the property boundary but outside the PDA near the Madrid South operations – along shore of Patch Lake east of the waste rock pile.	435052	7547168	52
M-DF06	Upwind station for roadway dustfall study – 50 m west of Doris-Madrid All-Weather Road.	432661	7552874	62
M-DF07	Downwind station for roadway dustfall study – 50 m east of Doris-Madrid All-Weather Road (in a perpendicular line to road).	432768	7552891	62
M-DF08	Downwind station for roadway dustfall study 100 m east of Doris-Madrid All-Weather Road (in a perpendicular line to road).	432823	7552891	66
M-DF09	Downwind station for roadway dustfall study (200 m east of Doris-Madrid All-Weather Road (in a perpendicular line to road).	432922	7552895	45

Legend

- Project Development Area (PDA)
- Roads

0 1 2 km

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Project Location
Hope Bay,
Nunavut

160930343 REVA
Prepared by BCC on 2020-10-28
Technical Review by Greg Crooks on 2020-10-28

Client/Project
AGNICO EAGLE - RESOURCES-HOPE BAY
NUNAMI STANTEC LIMITED

Figure No.
3-2

Title
Locations of the Madrid Ambient Monitoring Stations

Notes

1. Coordinate System: NAD 1983 UTM Zone 13N
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3.2.2 Sampling Methods

Dustfall collection is a passive monitoring method which provides a measure of particulates that would be directly deposited onto vegetation or soil. The basis of the methodologies is that field-deposited dust is collected in a manner that is quantifiable in terms of area (cm^2) and exposure length (days), and that samples are then sent to a laboratory for analysis. Dustfall is monitored at each station via dustfall canisters during the summer and through snow core sampling in the winter.

Snow core sampling for the Doris site was instituted in 2016 to record dustfall during the winter months due to issues with using the canister method during winter months. Snow core sampling was implemented at the Madrid dustfall stations starting in Winter 2019-2020. At each dustfall station, snow core subsamples are collected using a snow corer to retrieve a cylindrical snow core from the snowpack. A minimum of three snow cores are collected along a transect at each monitoring location. The samples are composited in the field to produce a single representative composite snow sample for the location. Composite samples are bagged, labelled, and shipped to an accredited laboratory (ALS Laboratory Group (ALS)) for processing. Processing of snow cores require filtration, drying and weighing in the laboratory. For quality assurance/quality control (QA/QC), a duplicate sample is collected from one of the snow core sampling locations.

In the event that the snow depth is insufficient at a location to collect a snow core sample, a bucket method is used. This entails collecting scoop samples through the entire depth of the snow and depositing them into a pre-weighed bucket of known dimensions, measuring the weight of the snow sample and then bagging, labelling and shipping the sample to the laboratory.

Snow core samples are analyzed by the laboratory as water samples and are reported in units of mg/L. These units are converted to dustfall units of mg/100-cm^2 and standardized to mg/100cm^2/30-days over the monitoring period. The surface loading rate was calculated by multiplying the parameter concentration (mg/L or mg/1000 cm^3) by the average snow-water-equivalent of the transect samples (measured in cm of water) and dividing by the number of days snow had accumulated (time from the first snowfall to the sampling day).

The accuracy of the snow core sampling method is dependent on a number of factors including; accurately determining the length of time over which the sampled snow on ground had been accumulating, snow drifting affecting particulate accumulations, and potential contamination/disturbance of the snow pack by wildlife or human activity. Dustfall measurements using snow core sampling should therefore be considered approximate with comparisons to regulatory criteria made for informational purposes only.

3.2.3 Data Analysis

Standardized dustfall is compared to the Alberta AAQO for dustfall (Table 2-1) as Nunavut does not currently have a dustfall standard. Analysis of temporal trends is undertaken to identify any trends in the measured dustfall levels with time of year or meteorological conditions. A qualitative comparison to the 2017 FEIS and 2016 Amendment predictions was also made. Review of dustfall levels with distance from the tailings management areas was also made to determine spatial trends in dustfall.

3.2.4 Schedule

Winter dustfall is collected at the end of winter (late April/early May). The snow core composite sample reflects cumulative winter dust deposition since the date of first snowfall to remain on ground to the sampling period end (approximately October through May, inclusive).

3.3 Suspended Particulate Monitoring ($PM_{2.5}$ and TSP)

Suspended particulate matter includes both airborne solid and low-vapour-pressure liquid particles having aerodynamic diameters ranging in size from 0.01 to about 44 µm. The generation of particulate matter results from the movement of vehicles, mobile equipment, crushing, blasting, bulk handling and storage and other activities associated with mineral processing and construction. Wind erosion from sources such as tailings can also generate particulate emissions.

3.3.1 Sample Location

Sampling is conducted at monitoring location DFA1 in the Doris site. This location is free from obstructions and nearby pollutant sources that may cause interference in suspended particulate monitoring.

3.3.2 Sampling Methods

At the Doris site, ambient particulate monitoring for TSP and $PM_{2.5}$ in Winter 2022 – 2023 used Thermo Scientific 5014i continuous particulate monitors following the protocols described in the 2019 version of the Agnico Eagle AQMP (TMAC, 2019). The Thermo Scientific monitors are housed inside a temperature-controlled shelter to ensure the monitors are maintained within their required operating temperature range.

The instruments are calibrated and maintained following Environment and Climate Change Canada (ECCC) protocols given in the document National Air Pollution Surveillance Network Quality Assurance and Quality Control Guidelines (ECCC 2004).

Agnico Eagle technicians visit the station bi-weekly and perform checks to ensure the equipment is working properly.

3.3.3 Data Analysis

Data collected from the continuous monitors were screened for any suspicious data including outliers, instrumentation drift and missing data. The particulate sampling provides 24-hour average ground-level concentrations for each size fraction. These were compared to the relevant 24-hour and annual standards (Table 2-1). In addition, temporal trends of the TSP and $PM_{2.5}$ ambient concentrations were examined, taking into consideration the time of year and meteorological conditions during the sampling period.

3.3.4 Schedule

The Thermo Fisher Scientific Model 5014i Beta Monitors operate continuously, collecting hourly average particulate concentrations.

3.4 Nitrogen Dioxide (NO_2) Monitoring Program

3.4.1 Sampling Location

Sampling is conducted at monitoring location DFA1 in the Doris site. This location is free from obstructions and nearby pollutant sources that may cause interference in suspended particulate monitoring.

3.4.2 Sampling Methods

Ambient NO_2 is measured using a Thermo Scientific 42qi continuous NOx monitor following the protocol described in the 2019 version of the Agnico Eagle AQMP (TMAC, 2019). The NO_2 monitor is housed inside the same temperature-controlled shelter as the two continuous particulate monitors to ensure the monitors are maintained within their required operating temperature range.

The instrument is calibrated and maintained following Environment and Climate Change Canada (ECCC) protocols given in the document National Air Pollution Surveillance Network Quality Assurance and Quality Control Guidelines (ECCC 2004).

3.4.3 Data Analysis

Data collected from the continuous monitor was screened for any suspicious data including outliers, instrumentation drift and missing data. The NO_2 monitor currently records 5-minute average concentrations that were then averaged to produce hourly, daily, and annual average concentrations following ECCC protocols. The results were compared to the relevant 1-hour, 24-hour and annual standards (Table 2-1).

3.4.4 Schedule

The Thermo Scientific 42qi operates continuously, collecting 5-minute average NO_2 concentrations.

3.5 Meteorological Monitoring Program

The Doris meteorological station has recorded air temperature, relative humidity, wind speed and direction, precipitation, and solar radiation since 2004. Barometric pressure has been recorded since 2010. In September 2016, a Geonor T-200B all-weather precipitation gauge was installed to collect precipitation year-round.

3.5.1 Sampling Location

The meteorological station was chosen in consultation with Environment Canada and Health Canada officials and is located at UTM coordinates 432840 E, 7549835 N (Zone 13W).

3.5.2 Sampling Methods

The meteorological station is a self-contained, solar/battery-powered system and includes instrumentation to measure hourly values of temperature, wind speed, wind direction, relative humidity, solar radiation, and rainfall. Data is recorded by a data logger located at the station and is downloaded manually.

3.5.3 Data Analysis

Meteorological data are analyzed on a monthly basis and compiled into summary tables. Data validity checks are conducted and missing / invalid data are flagged. For the Winter 2022 – 2023 period, 58 hours of wind speed and wind direction data were invalidated due to calibration/maintenance activities or icing of the sensor. No total precipitation data for the Winter 2022 – 2023 period was recorded due to a malfunction of the Geonor sensor. The Goenor sensor was replaced on July 3, 2023. The data recovery rates for all other meteorological instruments in this period were better than 94%.

3.5.4 Schedule

Meteorological data is collected continuously and is downloaded at the beginning of each month, or on an as-needed basis.

4 Monitoring Program Results and Discussion

4.1 Snow Core Dustfall Results

4.1.1 Doris Site

The measurement period for each snow core sample at the Doris Site is provided in Table 4-1. Measured dustfall rates estimated for each monitoring location in 2022 – 2023 are summarized in Table 4-2. Laboratory results are presented in Appendix A.

Table 4-1: Snow Core Sampling Periods – Doris Site

Snow Core Station	Date of First Snowfall [a]	Sample Date	Sample Time (days)
CDF4	10/18/2022	4/16/2023	180
DFA1		4/16/2023	180
TIA-DF1		4/16/2023	180
TIA-DF2		4/16/2023	180
TIA-DF3		4/16/2023	180
ControlDF		4/16/2023	180

Note:
a: SOURCE: Environment and Climate Change Canada's Cambridge Bay Meteorological Station

Table 4-2: Measured Deposition Rates from Snow Core Sampling – Doris Site

Snow Core Station	Alberta Ambient Air Quality Objective (AAAQO) (mg/100-cm²/30-days)	Measured Dustfall Level (mg/100-cm²/30-days)	Percentage of AAAQO (Commercial and Industrial Area)
CDF4	158 (commercial and industrial areas)	33.4	21%
DFA1		38.4	24%
TIA-DF1		5.9	4%
TIA-DF2		8.8	6%
TIA-DF3		3.6	2%
ControlDF		5.8	4%

Dustfall levels estimated from the snow core sampling ranged from 3.6 mg/100-cm^2/30-days (at TIA-DF3) to 38.4 mg/100-cm^2/30-days (at DFA1) during the October 2022 to April 2023 monitoring period (180 days). All measured dustfall levels are less than the AAAQO of 158 mg/100-cm^2/30-days for commercial and industrial areas. The maximum measured dustfall (38.4 mg/100-cm^2/30 days) occurred at Station DFA1 which is located east of the mill site.

The dustfall measurements at locations TIA-DF1, TIA-DF2 and TIA-DF3 (monitoring locations downwind of the TIA) are consistent with the predicted dustfall level in the 2016 Amendment modelling of <53 mg/100 cm^2/30-days outside of 250 m from the TIA. Dustfall rates at locations TIA-DF1, TIA-DF2, TIA-DF3, DFA1 and ControlDF were either below the 2017 FEIS predictions or within the expected range of variability for dispersion modelling predictions. The measurement at CDF4 was greater than the 2017 FEIS modelling however, the field records for this sample note that there were fox tracks and artic hare feces in the vicinity of the station. The measured total suspended solids at CDF4 were anomalously high, which is consistent with the snow sample being contaminated by animal activities. The measurement at DFA1, while within the range of the 2017 FEIS model predictions, also appears to be anomalous as there have been reduced operations since the Facility was placed in care and maintenance and production suspended in February 2022.

4.1.2 Madrid Site

The measurement period for each snow core sample at the Madrid Site is provided in Table 4-3. Measured dustfall rates estimated for each monitoring location in Winter 2022 – 2023 are summarized in Table 4-4. Laboratory results are presented in Appendix A. Snow core measurements were collected from all Madrid locations in Winter 2022 – 2023.

Table 4-3: Snow Core Sampling Periods – Madrid Site

Snow Core Station	Date of First Snowfall [a]	Sample Date	Sample Time (days)
MDF01	10/18/2022	4/14/2023	178
MDF02		4/14/2023	178
MDF03		4/14/2023	178
MDF04		4/14/2023	178
MDF05		4/15/2023	179
MDF06		4/15/2023	179
MDF07		4/15/2023	179
MDF08		4/15/2023	179
MDF09		4/15/2023	179

Note:
a: SOURCE: Environment and Climate Change Canada's Cambridge Bay Meteorological Station

Table 4-4: Measured Deposition Rates from Snow Core Sampling – Madrid Site

Snow Core Station	Alberta Ambient Air Quality Objective (AAAQO) (mg/100-cm²/30-days)	Measured Dustfall Level (mg/100-cm²/30-days)	Percentage of AAAQO (Commercial and Industrial Area)
MDF01	158 (commercial and industrial areas)	8.9	6%
MDF02		2.8	2%
MDF03		3.8	2%
MDF04		6.8	4%
MDF05		2.4	2%
MDF06		4.0	3%
MDF07		16.3	10%
MDF08		4.4	3%
MDF09		14.6	9%

Dustfall levels estimated from the snow core sampling ranged from 2.4 mg/100-cm^2/30-days (at MDF05) to 16.3 mg/100-cm^2/30-days (MDF07) during the October 2022 to April 2023 monitoring period (178 – 179 days). All measured dustfall levels were less than the AAAQO of 158 mg/100-cm^2/30-days for commercial and industrial areas. The maximum deposition rate (16.3 mg/100-cm^2/30-days) occurred at Station MDF07 which is 50 m east of Doris-Madrid All-Weather Road.

The dustfall rates from all Madrid Site monitoring stations were less than the maximum predicted dustfall level at each location in the 2017 FEIS modelling.

4.2 Particulate Matter Monitoring

TSP and $PM_{2.5}$ ambient monitoring is conducted at location DFA1. A summary of the measured ambient TSP and $PM_{2.5}$ concentrations for the study period are presented in Table 4-5. Table 4-6 provides a summary of the data recovery rates for the reporting period. Calibration records are presented in Appendix B.

Table 4-5: Summary of Ambient TSP and $PM_{2.5}$ Measurements

Parameter	Air Quality Standard / Objective		24-Hour Average (µg/m³)				Annual Average (µg/m³)	
	24-Hour	Annual	Maximum [a]	98th Percentile [b]	Range	% of Criteria	Average [c]	% of Criteria
TSP	120	60	46.2		2.0 - 46.2	39%	N/A	N/A
$PM_{2.5}$	27	8.8	16.6	11.5	0 – 16.6	43%	N/A	N/A

Notes:

a: Results reported for October 2022 to April 2023

b: Results reported for May 2022 to April 2023

c: Data recovery rate below target for calculating a valid annual average.

Table 4-6: Summary of Data Recovery Rates for Continuous Particulate Sampling

Month	Data Recovery Rate (%)	
	TSP	$PM_{2.5}$
October 2022	0%	0%
November 2022	73%	77%
December 2022	42%	45%
January 2023	71%	74%
February 2023	61%	57%
March 2023	84%	77%
April 2023	73%	83%
Annual (May 2022 – April 2023)	63%	54%

4.2.1 TSP

The annual (May 2022 to April 2023) data recovery rate for TSP was 63% which is below acceptable levels for calculating an annual average. The monthly recovery rates for the continuous TSP monitoring for Winter 2022 – 2023 were below the data recovery objective of 90% for the entire period due to intermittent downtime as operational complications were addressed by Agnico Eagle.

The maximum measured 24-hour average TSP concentration in the October 2022 to April 2023 period was 46.2 µg/m^3 which is 39% of the applicable Government of Nunavut (GN) air quality objective. This concentration is below the maximum predicted TSP concentration in the 2017 FEIS of 69.9 µg/m^3.

TSP monitoring data for May - September 2022 which have been previously reported, were used in conjunction with the October 2022 – April 2023 TSP measurements. To calculate a valid annual average concentration, a data recovery rate of 75% is required. Since the data recovery rate was less than this target, a valid annual average concentration could not be calculated. Agnico Eagle is reviewing the monitoring data/instrument logs to assess potential causes of this issue and implement remedial measures. A time history plot of measured 24-hour average TSP concentrations for the period October 2022 to April 2023 is presented in Figure 4-1. TSP concentrations were low throughout the monitoring period.

4.2.2 $PM_{2.5}$

The annual (May 2022 – April 2023) $PM_{2.5}$ data recovery rate was 54% which is below acceptable levels for calculating an annual average. Monthly data recovery rates for the continuous $PM_{2.5}$ sampling were below the objective of 90% for the entire period due to operational issues.

The calculated 98th percentile of the measured 24-hour average $PM_{2.5}$ concentrations in the one-year period of May 2022 to April 2023 was 11.5 µg/m^3 which is below the Canadian Ambient Air Quality Standard (CAAQS) of 27 µg/m^3. An explicit comparison to the CAAQS for $PM_{2.5}$ requires averaging the 98th percentile daily average levels in each of three consecutive calendar years, with a valid comparison requiring valid data for a minimum of two of the three years. Since the data presented in this report is for a single year and is not based on a calendar year, comparison to the CAAQS is provided for informational purposes only; not to assess compliance. The 98th percentile of the measured 24-hour average $PM_{2.5}$ concentrations is less than the maximum predicted 98th percentile $PM_{2.5}$ concentration in the 2017 FEIS of 12.1 µg/m^3.

Similar to TSP, the annual data recovery rate for $PM_{2.5}$ was less than the target, thus a valid annual average concentration could not be calculated.

A time history plot of measured 24-hour average $PM_{2.5}$ concentrations for the period October 2022 to April 2023 is presented in Figure 4-2. $PM_{2.5}$ concentrations were generally low throughout the winter 2022 – 2023 period.

4.2.3 Trends in Ambient Particulate

Table 4-7 below provides a comparison of maximum measured 24-hour and annual average TSP and $PM_{2.5}$ measurements over the last three winter periods. The similar maximum 24-hour average TSP concentrations were measured in winter 2021-2022 and 2022-2023 and were 39% of the Guideline. The highest measured 24-hour average $PM_{2.5}$ concentration occurred in winter 2021-2022 and was 61% of the guideline.

Table 4-7: Summary of Measured TSP/$PM_{2.5}$ Concentrations for 2020 – 2023

Contaminant	Averaging Period	Criteria	Oct 2020 – Apr 2021	Oct 2021 – Apr 2022	Oct 2022 – Apr 2023
TSP	24-hour	120	36.7	46.1	46.2
	Annual [a]	60	5.2	9.0	N/A
$PM_{2.5}$	24-hour	27	6.9	16.6	11.5
	Annual [a]	8.8	1.9	3.5	N/A

Notes:
a: Data recovery rate below target for calculating a valid annual average.

Figure 4-1: Summary of Measured 24-hour Average TSP Concentrations (Oct 2022 – Apr 2023)

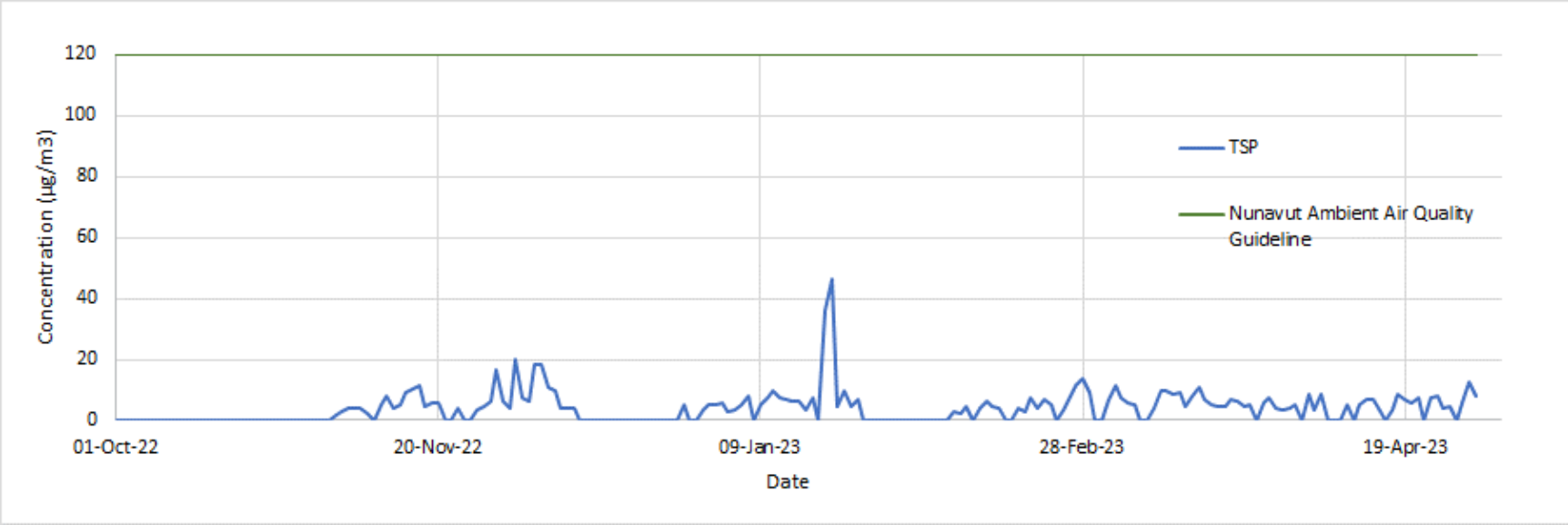
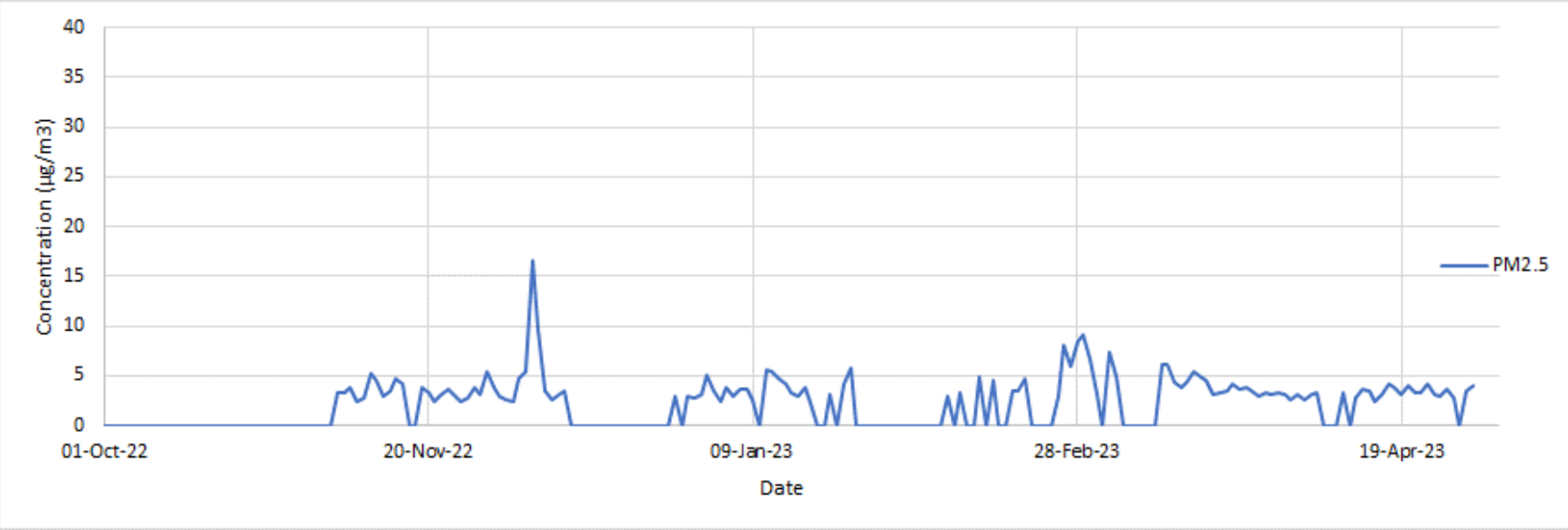


Figure 4-2: Summary of Measured 24-Hour Average $PM_{2.5}$ Concentrations (Oct 2022 – Apr 2023)



4.3 Nitrogen Dioxide (NO_2)

The annual data recovery rate for NO_2 was 84% which is above acceptable levels for calculating an annual average concentration. The results are compared to the relevant hourly, daily, and annual standards in Table 4-8.

Table 4-8: Summary of NO_2 Monitoring Results

Averaging Period	Units	Air Quality Standard/Objective	Agency	Measured Value	% of Criteria
1-hour [a]	ppb	212	Nunavut Ambient Air Quality Guidelines	30.1	14%
24-hour [a]	ppb	106		16.1	15%
Annual [b]	ppb	32		1.2	4%
1-hour (98th percentile) [b]	ppb	60	CAAQS	24.8	N/A[c]
Annual [b]	ppb	12		1.2	N/A[d]

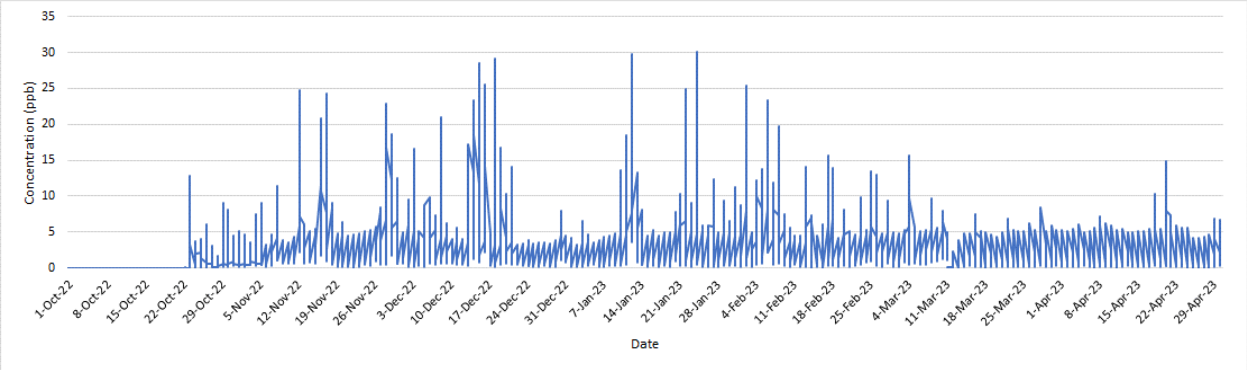
Notes:
a: Results reported for October 2022 to April 2023
b: Results reported for May 2022 to April 2023
c: Comparison to the CAAQS requires a minimum of two years of data over calendar years.
d: Comparison to the CAAQS requires an average over a calendar year.

The maximum measured hourly average NO_2 concentration in the October 2022 to April 2023 period was 30.1 parts per billion (ppb) which is 14% of the applicable GN air quality objective and is less than the maximum predicted NO_2 concentration in the 2017 FEIS of 134 ppb. Likewise, measured daily and annual average NO_2 concentrations are well below the corresponding GN air quality objectives and FEIS predictions.

The calculated 98th percentile of the measured daily maximum 1-hour average NO_2 concentrations in the May 2022 to April 2023 period was 24.8 ppb which is below the Canadian Ambient Air Quality Standard (CAAQS) of 60 ppb. An explicit comparison to the CAAQS for NO_2 requires averaging the 98th percentile of the daily maximum 1-hour average levels in each of three consecutive calendar years, with a valid comparison requiring valid data for a minimum of two of the three years. Since the data presented in this report is for a single year and is not based on a calendar year, comparison to the CAAQS is provided for informational purposes only; not to assess compliance.

A time history plot of measured 1-hour average NO_2 concentrations for the period October 2022 to April 2023 is presented in Figure 4-3. NO_2 concentrations were generally low throughout the monitoring period.

Figure 4-3: Time History of Measured 1-hour Average NO_2 Concentrations (Oct 2022 - April 2023)



4.4 Meteorology

A summary of the maximum, minimum, and average of the hourly average meteorological parameters in each month of October 2022 to April 2023 is presented in Table 4-9. Hourly meteorological data collected for the same period at the Doris station are presented in Appendix C.

A wind rose showing the measured directionality and speed for the period October 2022 to April 2023 is presented in Figure 4-4. The length of the radial barbs gives the total percent frequency of winds from the indicated direction, while portions of the barbs of different widths indicate the frequency associated with each wind speed category.

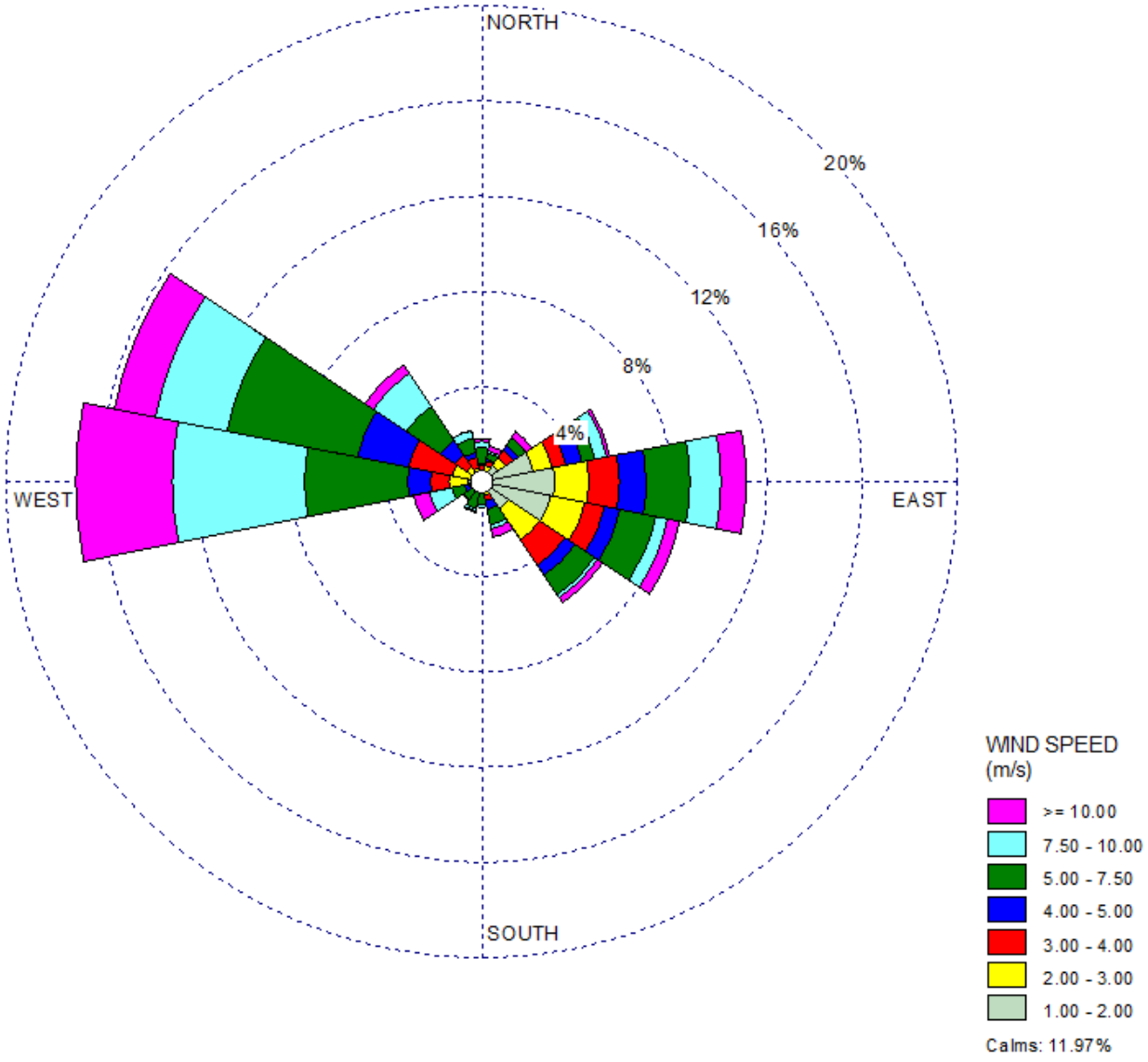
Winds over the seven-month period occurred predominantly from westerly and easterly directions. Higher wind speeds occurred most frequently from the west.

Table 4-9: Summary of Meteorological Measurements (Oct 2022 – Apr 2023)

Date	Average Air Temperature	Minimum Daily Air Temperature	Maximum Daily Air Temperature	Absolute Minimum Temperature	Absolute Maximum Temperature	Average Wind Speed	Maximum Instantaneous Wind Speed	Time of Maximum Instantaneous Wind Speed	Total Precipitation	Total Rainfall	Total Snow-Water Equiva-lent (SWE)	Average Relative Humidity	Average Solar Radiation	Total Bright Sunshine Hours	Station Pressure
(m-y)	(°C)	(°C)	(°C)	(°C)	(°C)	(m/s)	(m/s)	(mm/dd/yyyy h:m)	(mm)	(mm)	(mm)	(%)	(W/m^2)	(hr)	(kPa)
Oct-22	-5.7	-8.3	-3.2	-19.5	6.6	6.7	23.3	10/18/2022 22:29	INV [a]	INV [a]	INV [a]	89.1	25.5	49.0	100.3
Nov-22	-18.9	-22.9	-15.2	-35.8	-5.9	4.6	17.9	11/15/2022 15:49	M [b]	M [b]	M [b]	84.5	6.0	1.0	101.3
Dec-22	-27.5	-30.4	-24.6	-39.4	-14.3	5.0	21.0	12/14/2022 15:18	M [b]	M [b]	M [b]	77.1	0.3	0.0	101.3
Jan-23	-28.7	-31.9	-25.0	-37.3	-13.3	5.8	19.4	1/28/2023 6:57	M [b]	M [b]	M [b]	76.4	2.3	0	101.1
Feb-23	-32.7	-35.8	-29.5	-40.3	-21.1	6.0	16.7	2/21/2023 2:09	M [b]	M [b]	M [b]	71.9	23.4	40	100.0
Mar-23	-28.1	-32.5	-22.9	-36.8	-12.3	2.7	19.0	3/2/2023 4:27	M [b]	M [b]	M [b]	74.3	95.0	242	102.1
Apr-23	-14.3	-19.3	-9.2	-33.2	1.7	3.9	15.0	4/20/2023 22:47	M [b]	M [b]	M [b]	83.5	172.7	332	101.6
Average	-22.3	-25.9	-18.5	-34.6	-8.4	5.0	18.9		-	-	-	79.5	46.5	94.9	101.1
Max	-5.7	-8.3	-3.2	-19.5	6.6	6.7	23.3		-	-	-	89.1	172.7	332.0	102.1
Min	-32.7	-35.8	-29.5	-40.3	-21.1	2.7	15.0		-	-	-	71.9	0.3	0.0	100.0
Total									-	-	-				

Notes:
a: Monthly data capture rate is <75% - the monthly average is invalid.
b: Geonor malfunctioning - the data is noted as missing 'M'.

Figure 4-4: Wind Rose for October 2022 to April 2023



5 Conclusions

This report presents the results of ambient air quality, dustfall, NO_2 and meteorological monitoring conducted at the Doris and Madrid Sites (the Sites) from October 2022 to April 2023 as outlined under the Air Quality Management Plan (AQMP; TMAC 2016, 2019). To calculate annual average concentrations for requisite parameters, data from May to September 2022 (already reported by Agnico Eagle in the Q1-Q3 2022 Ambient Monitoring Report (Nunami Stantec, 2023)) was also utilized and are included in this report.

The Winter 2022 – 2023 monitoring program included the following:

- Snow core sampling for dustfall at six locations in the vicinity of the Doris Site and at nine locations in the vicinity of the Madrid Site utilizing snow cores over the period October 18, 2022, to April 14-16, 2023.
- Monitoring of TSP and $PM_{2.5}$ using continuous monitors at one location at the Doris site.
- Monitoring of NO_2 using a continuous monitor at one location at the Doris site.
- Meteorological monitoring for wind speed, wind direction, temperature, relative humidity, snowfall, rainfall, solar radiation, and barometric pressure at one location. The meteorological data were used in the interpretation of the air quality measurements.

The main results and findings of the report are presented below.

Snow Core Dustfall Sampling – Doris Site

- Dustfall levels estimated from the snow core sampling ranged from 3.6 mg/100-cm^2/30-days (at TIA-DF3) to 33.4 mg/100-cm^2/30-days (CDF4).
- The dustfall levels for all stations were below the AAAQO of 158 mg/100-cm^2/30-days for commercial and industrial areas.
- Dustfall rates at locations TIA-DF1, TIA-DF2, TIA-DF3, DFA1 and ControlDF were either below the 2017 FEIS predictions or within the expected range of variability for dispersion modelling predictions. The measurement at CDF4 was greater than the 2017 FEIS modelling however the snow sample was likely contaminated by animal activities.

Snow Core Dustfall Sampling – Madrid Site

- Dustfall levels estimated from the snow core sampling ranged from 2.4 mg/100-cm^2/30-days (at MDF05) to 16.3 mg/100-cm^2/30-days (at MDF07).
- All measured dustfall levels were less than the AAAQO of 158 mg/100-cm^2/30-days for commercial and industrial areas.
- The dustfall rates for all Madrid Site monitoring stations were less than their maximum predicted dustfall level at each location in the 2017 FEIS modelling.

Particulate Monitoring

- The maximum measured 24-hour average TSP concentration was 46.2 µg/m^3 which is 39% of the applicable GN air quality objective. This concentration is below the maximum predicted TSP concentration in the 2017 FEIS of 69.9 µg/m^3.
- The calculated 98th percentile of the measured 24-hour average $PM_{2.5}$ concentrations in the one-year period of May 2022 to April 2023 was 11.5 µg/m^3 which is below the CAAQS of 27 µg/m^3.
- Annual average TSP and $PM_{2.5}$ concentrations could not be calculated due to the annual data recovery rates for both of these parameters being less than the required threshold.
- Both the maximum measured TSP concentration and the 98th percentile of the measured 24-hour average $PM_{2.5}$ concentrations were below the maximum predicted concentrations in the 2017 FEIS.

Nitrogen Dioxide Monitoring

- The maximum measured 1-hour average NO_2 concentration was 30.1 ppb which is 14% of the applicable GN air quality objective. This concentration is below the maximum predicted NO_2 concentration in the 2017 FEIS of 134 ppb.
- The maximum measured daily and annual average NO_2 concentrations are well below the corresponding GN air quality objectives and FEIS predictions.
- The calculated 98th percentile of the measured daily maximum 1-hour average NO_2 concentrations in the one-year period of May 2022 to April 2023 was 24.8 ppb which is below the CAAQS of 60 ppb.

6 Closure

This document entitled Winter 2022 – 2023 Atmospheric Compliance Monitoring Program Report for the Doris and Madrid Projects was prepared by Nunami Stantec Ltd. for the account of Agnico Eagle Mines Ltd. The material in it reflects Nunami Stantec's best judgment in light of the information available to it at the time of preparation. Any use which a third party makes of this report, or any reliance on or decisions made based on it, are the responsibilities of such third parties. Nunami Stantec Ltd. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

Respectfully Submitted,

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Appendix A Snow Core Laboratory Analysis

CERTIFICATE OF ANALYSIS

Work Order	: **YL2300312**	Page	: 1 of 6
Client	: **Agnico-Eagle Mines Limited**	Laboratory	: Yellowknife - Environmental
Contact	: Enviro Data	Account Manager	: Megha Walia
Address	: 280, ave Larivière Rouyn-Noranda QC Canada J9X 4H4	Address	: 314 Old Airport Road, Unit 116 Yellowknife NT Canada X1A 3T3
Telephone	: 1-819-759-3555	Telephone	: +1 867 873 5593
Project	: Doris Snowcore Dustfall	Date Samples Received	: 21-Apr-2023 09:20
PO	: OL 1250529	Date Analysis Commenced	: 24-Apr-2023
C-O-C number	: ----	Issue Date	: 30-Apr-2023 14:26
Sampler	: TL/WN		
Site	: ----		
Quote number	: Hope Bay – Main Quote		
No. of samples received	: 10		
No. of samples analysed	: 10		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Alex Thornton	Analyst	Metals, Burnaby, British Columbia
Kevin Duarte	Supervisor - Metals ICP Instrumentation	Metals, Burnaby, British Columbia
Kim Jensen	Department Manager - Metals	Inorganics, Burnaby, British Columbia

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances

LOR: Limit of Reporting (detection limit).

Unit	*Description*
mg/L	milligrams per litre

<: less than.

>: greater than.

Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Sample Comments

Sample	Client Id	*Comment*
YL2300312-004	ControlDF-SNOW	Water sample for total mercury analysis was not submitted in glass or PTFE container with HCl preservative. Results may be biased low.

Qualifiers

Qualifier	*Description*
DLM	*Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).*
RRV	*Reported result verified by repeat analysis.*

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	TIADF1-SNOW	TIADF2-SNOW	TIADF3-SNOW	ControlDF-SNOW	DFA1-SNOW
					Client sampling date / time	16-Apr-2023 10:15	16-Apr-2023 10:15	16-Apr-2023 10:15	16-Apr-2023 10:15	16-Apr-2023 10:15
						YL2300312-001	YL2300312-002	YL2300312-003	YL2300312-004	YL2300312-005
						Result	Result	Result	Result	Result
Physical Tests										
Hardness (as CaCO3), from total Ca/Mg	----	EC100A	0.60	mg/L		6.51	2.58	4.48	1.71	17.3
Solids, total dissolved [TDS]	----	E162	10	mg/L		17	14	14	13	48
Solids, total suspended [TSS]	----	E160	3.0	mg/L		13.4	<3.0	<3.0	5.2	31.0
Anions and Nutrients										
Ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		0.0234	0.0106	0.0131	0.0107	0.0411
Bromide	24959-67-9	E235.Br-L	0.050	mg/L		<0.050	<0.050	<0.050	<0.050	<0.050
Chloride	16887-00-6	E235.Cl	0.50	mg/L		2.88	4.84	6.48	2.68	5.84
Fluoride	16984-48-8	E235.F	0.020	mg/L		<0.020	<0.020	<0.020	<0.020	<0.020
Nitrate (as N)	14797-55-8	E235.NO3-L	0.0050	mg/L		0.0486	0.0410	0.0481	0.0407	0.0668
Nitrite (as N)	14797-65-0	E235.NO2-L	0.0010	mg/L		<0.0010	<0.0010	<0.0010	<0.0010	0.0076
Sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		0.42	<0.30	<0.30	<0.30	0.32
Total Metals										
Aluminum, total	7429-90-5	E420	0.0030	mg/L		0.355	0.0458	0.0828	0.0114	1.45
Antimony, total	7440-36-0	E420	0.00010	mg/L		<0.00010	0.00010	<0.00010	<0.00010	<0.00010
Arsenic, total	7440-38-2	E420	0.00010	mg/L		0.00206	<0.00010	<0.00010	<0.00010	0.00040
Barium, total	7440-39-3	E420	0.00010	mg/L		0.00117	0.00057	0.00051	0.00054	0.00218
Beryllium, total	7440-41-7	E420	0.000100	mg/L		<0.000100	<0.000100	<0.000100	<0.000100	<0.000100
Bismuth, total	7440-69-9	E420	0.000050	mg/L		<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Boron, total	7440-42-8	E420	0.010	mg/L		<0.010	<0.010	<0.010	<0.010	<0.010
Cadmium, total	7440-43-9	E420	0.0000050	mg/L		<0.0000050	<0.0000050	<0.0000050	<0.0000050	0.0000097
Calcium, total	7440-70-2	E420	0.050	mg/L		1.54	0.310	0.643	0.201	4.25
Cesium, total	7440-46-2	E420	0.000010	mg/L		<0.000010	<0.000010	<0.000010	<0.000010	0.000018
Chromium, total	7440-47-3	E420	0.00050	mg/L		0.00132	<0.00050	<0.00050	<0.00050	0.00405
Cobalt, total	7440-48-4	E420	0.00010	mg/L		0.00053	<0.00010	0.00010	<0.00010	0.00151
Copper, total	7440-50-8	E420	0.00050	mg/L		0.00186	<0.00050	<0.00050	<0.00050	0.00524
Iron, total	7439-89-6	E420	0.010	mg/L		1.12	0.092	0.163	0.012	3.20
Lead, total	7439-92-1	E420	0.000050	mg/L		0.000141	0.000053	0.000102	<0.000050	0.000644
Lithium, total	7439-93-2	E420	0.0010	mg/L		<0.0010	<0.0010	<0.0010	<0.0010	0.0011
Magnesium, total	7439-95-4	E420	0.0050	mg/L		0.647	0.440	0.699	0.293	1.62

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	TIADF1-SNOW	TIADF2-SNOW	TIADF3-SNOW	ControlDF-SNOW	DFA1-SNOW
					Client sampling date / time	16-Apr-2023 10:15	16-Apr-2023 10:15	16-Apr-2023 10:15	16-Apr-2023 10:15	16-Apr-2023 10:15
						YL2300312-001	YL2300312-002	YL2300312-003	YL2300312-004	YL2300312-005
						Result	Result	Result	Result	Result
Total Metals										
Manganese, total	7439-96-5	E420	0.00010	mg/L		0.0332	0.00264	0.00564	0.0151	0.0627
Mercury, total	7439-97-6	E508	0.0000050	mg/L		<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Molybdenum, total	7439-98-7	E420	0.000050	mg/L		<0.000050	<0.000050	<0.000050	0.000112	0.000082
Nickel, total	7440-02-0	E420	0.00050	mg/L		0.00188	<0.00050	<0.00050	<0.00050	0.00228
Phosphorus, total	7723-14-0	E420	0.050	mg/L		<0.050	<0.050	<0.050	<0.050	<0.050
Potassium, total	7440-09-7	E420	0.050	mg/L		0.132	0.121	0.205	0.145	0.263
Rubidium, total	7440-17-7	E420	0.00020	mg/L		<0.00020	<0.00020	<0.00020	<0.00020	0.00031
Selenium, total	7782-49-2	E420	0.000050	mg/L		<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Silicon, total	7440-21-3	E420	0.10	mg/L		0.59	<0.10	0.19	<0.10	2.01
Silver, total	7440-22-4	E420	0.000010	mg/L		<0.000010	<0.000010	<0.000010	<0.000010	0.000014
Sodium, total	7440-23-5	E420	0.050	mg/L		1.41	2.05	2.52	1.02	2.34
Strontium, total	7440-24-6	E420	0.00020	mg/L		0.00287	0.00248	0.00424	0.00145	0.00661
Sulfur, total	7704-34-9	E420	0.50	mg/L		<0.50	<0.50	<0.50	<0.50	<0.50
Tellurium, total	13494-80-9	E420	0.00020	mg/L		<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Thallium, total	7440-28-0	E420	0.000010	mg/L		<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Thorium, total	7440-29-1	E420	0.00010	mg/L		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin, total	7440-31-5	E420	0.00010	mg/L		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Titanium, total	7440-32-6	E420	0.00030	mg/L		0.0123	0.00266	0.00552	<0.00060 DLM	0.0465
Tungsten, total	7440-33-7	E420	0.00010	mg/L		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Uranium, total	7440-61-1	E420	0.000010	mg/L		<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Vanadium, total	7440-62-2	E420	0.00050	mg/L		0.00136	<0.00050	<0.00050	<0.00050	0.00547
Zinc, total	7440-66-6	E420	0.0030	mg/L		<0.0030	<0.0030	<0.0030	<0.0030	0.0070
Zirconium, total	7440-67-7	E420	0.00020	mg/L		<0.00020	<0.00020	<0.00020	<0.00020	0.00023

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	CDF4-SNOW	EQB-SNOW	TVBK-SNOW	M-DF09-SNOW-DUP	TIADF2-SNOW-DUP
					Client sampling date / time	16-Apr-2023 10:15	16-Apr-2023 10:15	16-Apr-2023 10:15	16-Apr-2023 10:15	16-Apr-2023 10:15
						YL2300312-006	YL2300312-007	YL2300312-008	YL2300312-009	YL2300312-010
						Result	Result	Result	Result	Result
Physical Tests										
Hardness (as CaCO3), from total Ca/Mg	----	EC100A	0.60	mg/L		75.7	<0.60	<0.60	11.5	2.57
Solids, total dissolved [TDS]	----	E162	10	mg/L		31	<10	<10	18	13
Solids, total suspended [TSS]	----	E160	3.0	mg/L		166	<3.0	<3.0	24.4	<3.0
Anions and Nutrients										
Ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		0.0239	<0.0050	<0.0050	<0.0050	0.0086
Bromide	24959-67-9	E235.Br-L	0.050	mg/L		<0.050	<0.050	<0.050	<0.050	<0.050
Chloride	16887-00-6	E235.Cl	0.50	mg/L		2.90	<0.50	<0.50	4.62	4.86
Fluoride	16984-48-8	E235.F	0.020	mg/L		<0.020	<0.020	<0.020	<0.020	<0.020
Nitrate (as N)	14797-55-8	E235.NO3-L	0.0050	mg/L		0.0702	<0.0050	<0.0050	0.0093	0.0430
Nitrite (as N)	14797-65-0	E235.NO2-L	0.0010	mg/L		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		<0.30	<0.30	<0.30	<0.30	<0.30
Total Metals										
Aluminum, total	7429-90-5	E420	0.0030	mg/L		6.85	<0.0030	<0.0030	1.14	0.0492
Antimony, total	7440-36-0	E420	0.00010	mg/L		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Arsenic, total	7440-38-2	E420	0.00010	mg/L		0.00044	<0.00010	<0.00010	0.00019	<0.00010
Barium, total	7440-39-3	E420	0.00010	mg/L		0.00353	<0.00010	<0.00010	0.00153	0.00059
Beryllium, total	7440-41-7	E420	0.000100	mg/L		<0.000100	<0.000100	<0.000100	<0.000100	<0.000100
Bismuth, total	7440-69-9	E420	0.000050	mg/L		<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Boron, total	7440-42-8	E420	0.010	mg/L		<0.010	0.046 RRV	<0.010	<0.010	<0.010
Cadmium, total	7440-43-9	E420	0.0000050	mg/L		0.0000420	0.0000317 RRV	<0.0000050	0.0000068	<0.0000050
Calcium, total	7440-70-2	E420	0.050	mg/L		21.4	<0.050	<0.050	2.31	0.312
Cesium, total	7440-46-2	E420	0.000010	mg/L		0.000026	<0.000010	<0.000010	0.000013	<0.000010
Chromium, total	7440-47-3	E420	0.00050	mg/L		0.0351	<0.00050	<0.00050	0.00324	<0.00050
Cobalt, total	7440-48-4	E420	0.00010	mg/L		0.00828	<0.00010	<0.00010	0.00113	<0.00010
Copper, total	7440-50-8	E420	0.00050	mg/L		0.0234	<0.00050	<0.00050	0.00287	<0.00050
Iron, total	7439-89-6	E420	0.010	mg/L		13.1	<0.010	<0.010	2.50	0.099
Lead, total	7439-92-1	E420	0.000050	mg/L		0.000910	0.000187 RRV	<0.000050	0.000107	0.000058
Lithium, total	7439-93-2	E420	0.0010	mg/L		0.0031	<0.0010	<0.0010	<0.0010	<0.0010
Magnesium, total	7439-95-4	E420	0.0050	mg/L		5.40	<0.0050	<0.0050	1.40	0.435
Manganese, total	7439-96-5	E420	0.00010	mg/L		0.304	<0.00010	<0.00010	0.0519	0.00283

Analytical Results

Sub-Matrix: Water (Matrix: Water)					Client sample ID	CDF4-SNOW	EQB-SNOW	TVBK-SNOW	M-DF09-SNOW-DUP	TIADF2-SNOW-DUP
					Client sampling date / time	16-Apr-2023 10:15	16-Apr-2023 10:15	16-Apr-2023 10:15	16-Apr-2023 10:15	16-Apr-2023 10:15
Analyte	CAS Number	Method	LOR	Unit		YL2300312-006	YL2300312-007	YL2300312-008	YL2300312-009	YL2300312-010
						Result	Result	Result	Result	Result
Total Metals										
Mercury, total	7439-97-6	E508	0.0000050	mg/L		0.0000065	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Molybdenum, total	7439-98-7	E420	0.000050	mg/L		0.000124	<0.000050	<0.000050	0.000071	<0.000050
Nickel, total	7440-02-0	E420	0.00050	mg/L		0.0138	<0.00050	<0.00050	0.00204	<0.00050
Phosphorus, total	7723-14-0	E420	0.050	mg/L		0.094	<0.050	<0.050	<0.050	<0.050
Potassium, total	7440-09-7	E420	0.050	mg/L		0.253	<0.050	<0.050	0.325	0.115
Rubidium, total	7440-17-7	E420	0.00020	mg/L		0.00051	<0.00020	<0.00020	0.00038	<0.00020
Selenium, total	7782-49-2	E420	0.000050	mg/L		0.000081	<0.000050	<0.000050	<0.000050	<0.000050
Silicon, total	7440-21-3	E420	0.10	mg/L		9.64	<0.10	<0.10	1.52	0.10
Silver, total	7440-22-4	E420	0.000010	mg/L		0.000019	0.000118 RRV	<0.000010	<0.000010	<0.000010
Sodium, total	7440-23-5	E420	0.050	mg/L		1.69	0.513 RRV	<0.050	1.85	2.00
Strontium, total	7440-24-6	E420	0.00020	mg/L		0.00722	<0.00020	<0.00020	0.00422	0.00253
Sulfur, total	7704-34-9	E420	0.50	mg/L		<0.50	<0.50	<0.50	<0.50	<0.50
Tellurium, total	13494-80-9	E420	0.00020	mg/L		<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Thallium, total	7440-28-0	E420	0.000010	mg/L		<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Thorium, total	7440-29-1	E420	0.00010	mg/L		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin, total	7440-31-5	E420	0.00010	mg/L		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Titanium, total	7440-32-6	E420	0.00030	mg/L		0.550	<0.00030	<0.00030	0.0310	0.00306
Tungsten, total	7440-33-7	E420	0.00010	mg/L		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Uranium, total	7440-61-1	E420	0.000010	mg/L		0.000011	<0.000010	<0.000010	<0.000010	<0.000010
Vanadium, total	7440-62-2	E420	0.00050	mg/L		0.0287	<0.00050	<0.00050	0.00682	<0.00050
Zinc, total	7440-66-6	E420	0.0030	mg/L		0.0372	<0.0030	<0.0030	0.0059	<0.0030
Zirconium, total	7440-67-7	E420	0.00020	mg/L		0.00056	<0.00020	<0.00020	<0.00020	<0.00020

Please refer to the General Comments section for an explanation of any qualifiers detected.

ALS Canada Ltd.

right solutions.
right partner.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **YL2300312**	Page	: 1 of 19
Client	: **Agnico-Eagle Mines Limited**	Laboratory	: Yellowknife - Environmental
Contact	: Enviro Data	Account Manager	: Megha Walia
Address	: 280, ave Larivière Rouyn-Noranda QC Canada J9X 4H4	Address	: 314 Old Airport Road, Unit 116 Yellowknife, Northwest Territories Canada X1A 3T3
Telephone	: 1-819-759-3555	Telephone	: +1 867 873 5593
Project	: Doris Snowcore Dustfall	Date Samples Received	: 21-Apr-2023 09:20
PO	: OL 1250529	Issue Date	: 30-Apr-2023 14:26
C-O-C number	: ----		
Sampler	: TL/WN		
Site	: ----		
Quote number	: Hope Bay – Main Quote		
No. of samples received	: 10		
No. of samples analysed	: 10		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Matrix Spike outliers occur.
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist - please see following pages for full details.

Outliers : Frequency of Quality Control Samples

- No Quality Control Sample Frequency Outliers occur.

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) CDF4-SNOW	E298	16-Apr-2023	24-Apr-2023	----	----		26-Apr-2023	28 days	10 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) ControlDF-SNOW	E298	16-Apr-2023	24-Apr-2023	----	----		26-Apr-2023	28 days	10 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) DFA1-SNOW	E298	16-Apr-2023	24-Apr-2023	----	----		26-Apr-2023	28 days	10 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) EQB-SNOW	E298	16-Apr-2023	24-Apr-2023	----	----		26-Apr-2023	28 days	10 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) M-DF09-SNOW-DUP	E298	16-Apr-2023	24-Apr-2023	----	----		26-Apr-2023	28 days	10 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) TIADF1-SNOW	E298	16-Apr-2023	24-Apr-2023	----	----		26-Apr-2023	28 days	10 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) TIADF2-SNOW	E298	16-Apr-2023	24-Apr-2023	----	----		26-Apr-2023	28 days	10 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
TIADF2-SNOW-DUP	E298	16-Apr-2023	24-Apr-2023	----	----		26-Apr-2023	28 days	10 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
TIADF3-SNOW	E298	16-Apr-2023	24-Apr-2023	----	----		26-Apr-2023	28 days	10 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
TVBK-SNOW	E298	16-Apr-2023	24-Apr-2023	----	----		26-Apr-2023	28 days	10 days	✓
Anions and Nutrients : Bromide in Water by IC (Low Level)										
HDPE										
CDF4-SNOW	E235.Br-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Bromide in Water by IC (Low Level)										
HDPE										
ControlDF-SNOW	E235.Br-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Bromide in Water by IC (Low Level)										
HDPE										
DFA1-SNOW	E235.Br-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Bromide in Water by IC (Low Level)										
HDPE										
EQB-SNOW	E235.Br-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Bromide in Water by IC (Low Level)										
HDPE										
M-DF09-SNOW-DUP	E235.Br-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Bromide in Water by IC (Low Level)										
HDPE										
TIADF1-SNOW	E235.Br-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Bromide in Water by IC (Low Level)										
HDPE TIADF2-SNOW	E235.Br-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Bromide in Water by IC (Low Level)										
HDPE TIADF2-SNOW-DUP	E235.Br-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Bromide in Water by IC (Low Level)										
HDPE TIADF3-SNOW	E235.Br-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Bromide in Water by IC (Low Level)										
HDPE TVBK-SNOW	E235.Br-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE CDF4-SNOW	E235.Cl	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE ControlDF-SNOW	E235.Cl	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE DFA1-SNOW	E235.Cl	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE EQB-SNOW	E235.Cl	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE M-DF09-SNOW-DUP	E235.Cl	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Chloride in Water by IC										
HDPE TIADF1-SNOW	E235.Cl	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE TIADF2-SNOW	E235.Cl	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE TIADF2-SNOW-DUP	E235.Cl	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE TIADF3-SNOW	E235.Cl	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE TVBK-SNOW	E235.Cl	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE CDF4-SNOW	E235.F	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE ControlDF-SNOW	E235.F	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE DFA1-SNOW	E235.F	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE EQB-SNOW	E235.F	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Fluoride in Water by IC										
HDPE M-DF09-SNOW-DUP	E235.F	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE TIADF1-SNOW	E235.F	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE TIADF2-SNOW	E235.F	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE TIADF2-SNOW-DUP	E235.F	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE TIADF3-SNOW	E235.F	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE TVBK-SNOW	E235.F	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Nitrate in Water by IC (Low Level)										
HDPE CDF4-SNOW	E235.NO3-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	9 days	× EHTR-FM
Anions and Nutrients : Nitrate in Water by IC (Low Level)										
HDPE ControlDF-SNOW	E235.NO3-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	9 days	× EHTR-FM
Anions and Nutrients : Nitrate in Water by IC (Low Level)										
HDPE DFA1-SNOW	E235.NO3-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	9 days	× EHTR-FM

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Nitrate in Water by IC (Low Level)										
HDPE EQB-SNOW	E235.NO3-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	9 days	× EHTR-FM
Anions and Nutrients : Nitrate in Water by IC (Low Level)										
HDPE M-DF09-SNOW-DUP	E235.NO3-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	9 days	× EHTR-FM
Anions and Nutrients : Nitrate in Water by IC (Low Level)										
HDPE TIADF1-SNOW	E235.NO3-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	9 days	× EHTR-FM
Anions and Nutrients : Nitrate in Water by IC (Low Level)										
HDPE TIADF2-SNOW	E235.NO3-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	9 days	× EHTR-FM
Anions and Nutrients : Nitrate in Water by IC (Low Level)										
HDPE TIADF2-SNOW-DUP	E235.NO3-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	9 days	× EHTR-FM
Anions and Nutrients : Nitrate in Water by IC (Low Level)										
HDPE TIADF3-SNOW	E235.NO3-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	9 days	× EHTR-FM
Anions and Nutrients : Nitrate in Water by IC (Low Level)										
HDPE TVBK-SNOW	E235.NO3-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	9 days	× EHTR-FM
Anions and Nutrients : Nitrite in Water by IC (Low Level)										
HDPE CDF4-SNOW	E235.NO2-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	9 days	× EHTR-FM
Anions and Nutrients : Nitrite in Water by IC (Low Level)										
HDPE ControlDF-SNOW	E235.NO2-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	9 days	× EHTR-FM

Matrix: **Water**

Evaluation: ✖ = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Nitrite in Water by IC (Low Level)										
HDPE DFA1-SNOW	E235.NO2-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	9 days	✖ EHTR-FM
Anions and Nutrients : Nitrite in Water by IC (Low Level)										
HDPE EQB-SNOW	E235.NO2-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	9 days	✖ EHTR-FM
Anions and Nutrients : Nitrite in Water by IC (Low Level)										
HDPE M-DF09-SNOW-DUP	E235.NO2-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	9 days	✖ EHTR-FM
Anions and Nutrients : Nitrite in Water by IC (Low Level)										
HDPE TIADF1-SNOW	E235.NO2-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	9 days	✖ EHTR-FM
Anions and Nutrients : Nitrite in Water by IC (Low Level)										
HDPE TIADF2-SNOW	E235.NO2-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	9 days	✖ EHTR-FM
Anions and Nutrients : Nitrite in Water by IC (Low Level)										
HDPE TIADF2-SNOW-DUP	E235.NO2-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	9 days	✖ EHTR-FM
Anions and Nutrients : Nitrite in Water by IC (Low Level)										
HDPE TIADF3-SNOW	E235.NO2-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	9 days	✖ EHTR-FM
Anions and Nutrients : Nitrite in Water by IC (Low Level)										
HDPE TVBK-SNOW	E235.NO2-L	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	9 days	✖ EHTR-FM
Anions and Nutrients : Sulfate in Water by IC										
HDPE CDF4-SNOW	E235.SO4	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
ControlDF-SNOW	E235.SO4	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
DFA1-SNOW	E235.SO4	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
EQB-SNOW	E235.SO4	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
M-DF09-SNOW-DUP	E235.SO4	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
TIADF1-SNOW	E235.SO4	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
TIADF2-SNOW	E235.SO4	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
TIADF2-SNOW-DUP	E235.SO4	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
TIADF3-SNOW	E235.SO4	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
TVBK-SNOW	E235.SO4	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	9 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : TDS by Gravimetry										
HDPE CDF4-SNOW	E162	16-Apr-2023	----	----	----		24-Apr-2023	7 days	8 days	× EHT
Physical Tests : TDS by Gravimetry										
HDPE ControlDF-SNOW	E162	16-Apr-2023	----	----	----		24-Apr-2023	7 days	8 days	× EHT
Physical Tests : TDS by Gravimetry										
HDPE DFA1-SNOW	E162	16-Apr-2023	----	----	----		24-Apr-2023	7 days	8 days	× EHT
Physical Tests : TDS by Gravimetry										
HDPE EQB-SNOW	E162	16-Apr-2023	----	----	----		24-Apr-2023	7 days	8 days	× EHT
Physical Tests : TDS by Gravimetry										
HDPE M-DF09-SNOW-DUP	E162	16-Apr-2023	----	----	----		24-Apr-2023	7 days	8 days	× EHT
Physical Tests : TDS by Gravimetry										
HDPE TIADF1-SNOW	E162	16-Apr-2023	----	----	----		24-Apr-2023	7 days	8 days	× EHT
Physical Tests : TDS by Gravimetry										
HDPE TIADF2-SNOW	E162	16-Apr-2023	----	----	----		24-Apr-2023	7 days	8 days	× EHT
Physical Tests : TDS by Gravimetry										
HDPE TIADF2-SNOW-DUP	E162	16-Apr-2023	----	----	----		24-Apr-2023	7 days	8 days	× EHT
Physical Tests : TDS by Gravimetry										
HDPE TIADF3-SNOW	E162	16-Apr-2023	----	----	----		24-Apr-2023	7 days	8 days	× EHT

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : TDS by Gravimetry										
HDPE TVBK-SNOW	E162	16-Apr-2023	----	----	----		24-Apr-2023	7 days	8 days	× EHT
Physical Tests : TSS by Gravimetry										
HDPE CDF4-SNOW	E160	16-Apr-2023	----	----	----		24-Apr-2023	7 days	8 days	× EHT
Physical Tests : TSS by Gravimetry										
HDPE ControlDF-SNOW	E160	16-Apr-2023	----	----	----		24-Apr-2023	7 days	8 days	× EHT
Physical Tests : TSS by Gravimetry										
HDPE DFA1-SNOW	E160	16-Apr-2023	----	----	----		24-Apr-2023	7 days	8 days	× EHT
Physical Tests : TSS by Gravimetry										
HDPE EQB-SNOW	E160	16-Apr-2023	----	----	----		24-Apr-2023	7 days	8 days	× EHT
Physical Tests : TSS by Gravimetry										
HDPE M-DF09-SNOW-DUP	E160	16-Apr-2023	----	----	----		24-Apr-2023	7 days	8 days	× EHT
Physical Tests : TSS by Gravimetry										
HDPE TIADF1-SNOW	E160	16-Apr-2023	----	----	----		24-Apr-2023	7 days	8 days	× EHT
Physical Tests : TSS by Gravimetry										
HDPE TIADF2-SNOW	E160	16-Apr-2023	----	----	----		24-Apr-2023	7 days	8 days	× EHT
Physical Tests : TSS by Gravimetry										
HDPE TIADF2-SNOW-DUP	E160	16-Apr-2023	----	----	----		24-Apr-2023	7 days	8 days	× EHT

Matrix: **Water**

Evaluation: ✖ = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : TSS by Gravimetry										
HDPE										
TIADF3-SNOW	E160	16-Apr-2023	----	----	----		24-Apr-2023	7 days	8 days	✖ EHT
Physical Tests : TSS by Gravimetry										
HDPE										
TVBK-SNOW	E160	16-Apr-2023	----	----	----		24-Apr-2023	7 days	8 days	✖ EHT
Total Metals : Total Mercury in Water by CVAAS										
HDPE - total (lab preserved)										
ControlDF-SNOW	E508	16-Apr-2023	26-Apr-2023	0.02 hrs	7 hrs	✖ EHTR-FM	26-Apr-2023	-228.65 hrs	0.02 hrs	✖ EHTR-FM
Total Metals : Total Mercury in Water by CVAAS										
Glass vial - total (lab preserved)										
CDF4-SNOW	E508	16-Apr-2023	26-Apr-2023	----	----		26-Apr-2023	28 days	10 days	✓
Total Metals : Total Mercury in Water by CVAAS										
Glass vial - total (lab preserved)										
DFA1-SNOW	E508	16-Apr-2023	26-Apr-2023	----	----		26-Apr-2023	28 days	10 days	✓
Total Metals : Total Mercury in Water by CVAAS										
Glass vial - total (lab preserved)										
EQB-SNOW	E508	16-Apr-2023	26-Apr-2023	----	----		26-Apr-2023	28 days	10 days	✓
Total Metals : Total Mercury in Water by CVAAS										
Glass vial - total (lab preserved)										
M-DF09-SNOW-DUP	E508	16-Apr-2023	26-Apr-2023	----	----		26-Apr-2023	28 days	10 days	✓
Total Metals : Total Mercury in Water by CVAAS										
Glass vial - total (lab preserved)										
TIADF1-SNOW	E508	16-Apr-2023	26-Apr-2023	----	----		26-Apr-2023	28 days	10 days	✓
Total Metals : Total Mercury in Water by CVAAS										
Glass vial - total (lab preserved)										
TIADF2-SNOW	E508	16-Apr-2023	26-Apr-2023	----	----		26-Apr-2023	28 days	10 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Total Metals : Total Mercury in Water by CVAAS										
Glass vial - total (lab preserved)										
TIADF2-SNOW-DUP	E508	16-Apr-2023	26-Apr-2023	----	----		26-Apr-2023	28 days	10 days	✓
Total Metals : Total Mercury in Water by CVAAS										
Glass vial - total (lab preserved)										
TIADF3-SNOW	E508	16-Apr-2023	26-Apr-2023	----	----		26-Apr-2023	28 days	10 days	✓
Total Metals : Total Mercury in Water by CVAAS										
Glass vial - total (lab preserved)										
TVBK-SNOW	E508	16-Apr-2023	26-Apr-2023	----	----		26-Apr-2023	28 days	10 days	✓
Total Metals : Total metals in Water by CRC ICPMS										
HDPE - total (lab preserved)										
CDF4-SNOW	E420	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	180 days	9 days	✓
Total Metals : Total metals in Water by CRC ICPMS										
HDPE - total (lab preserved)										
ControlDF-SNOW	E420	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	180 days	9 days	✓
Total Metals : Total metals in Water by CRC ICPMS										
HDPE - total (lab preserved)										
DFA1-SNOW	E420	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	180 days	9 days	✓
Total Metals : Total metals in Water by CRC ICPMS										
HDPE - total (lab preserved)										
EQB-SNOW	E420	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	180 days	9 days	✓
Total Metals : Total metals in Water by CRC ICPMS										
HDPE - total (lab preserved)										
M-DF09-SNOW-DUP	E420	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	180 days	9 days	✓
Total Metals : Total metals in Water by CRC ICPMS										
HDPE - total (lab preserved)										
TIADF1-SNOW	E420	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	180 days	9 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Total Metals : Total metals in Water by CRC ICPMS										
HDPE - total (lab preserved) TIADF2-SNOW	E420	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	180 days	9 days	✓
Total Metals : Total metals in Water by CRC ICPMS										
HDPE - total (lab preserved) TIADF2-SNOW-DUP	E420	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	180 days	9 days	✓
Total Metals : Total metals in Water by CRC ICPMS										
HDPE - total (lab preserved) TIADF3-SNOW	E420	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	180 days	9 days	✓
Total Metals : Total metals in Water by CRC ICPMS										
HDPE - total (lab preserved) TVBK-SNOW	E420	16-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	180 days	9 days	✓

Legend & Qualifier Definitions

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended

EHT: Exceeded ALS recommended hold time prior to analysis.

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Water**

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Laboratory Duplicates (DUP)							
Ammonia by Fluorescence	E298	908935	1	19	5.2	5.0	✓
Bromide in Water by IC (Low Level)	E235.Br-L	910559	1	19	5.2	5.0	✓
Chloride in Water by IC	E235.Cl	910558	1	19	5.2	5.0	✓
Fluoride in Water by IC	E235.F	910557	1	19	5.2	5.0	✓
Nitrate in Water by IC (Low Level)	E235.NO3-L	910560	1	19	5.2	5.0	✓
Nitrite in Water by IC (Low Level)	E235.NO2-L	910561	1	19	5.2	5.0	✓
Sulfate in Water by IC	E235.SO4	910562	1	19	5.2	5.0	✓
TDS by Gravimetry	E162	908739	1	20	5.0	5.0	✓
Total Mercury in Water by CVAAS	E508	910951	1	20	5.0	5.0	✓
Total metals in Water by CRC ICPMS	E420	908792	1	20	5.0	5.0	✓
TSS by Gravimetry	E160	908736	1	20	5.0	5.0	✓
Laboratory Control Samples (LCS)							
Ammonia by Fluorescence	E298	908935	1	19	5.2	5.0	✓
Bromide in Water by IC (Low Level)	E235.Br-L	910559	1	19	5.2	5.0	✓
Chloride in Water by IC	E235.Cl	910558	1	19	5.2	5.0	✓
Fluoride in Water by IC	E235.F	910557	1	19	5.2	5.0	✓
Nitrate in Water by IC (Low Level)	E235.NO3-L	910560	1	19	5.2	5.0	✓
Nitrite in Water by IC (Low Level)	E235.NO2-L	910561	1	19	5.2	5.0	✓
Sulfate in Water by IC	E235.SO4	910562	1	19	5.2	5.0	✓
TDS by Gravimetry	E162	908739	1	20	5.0	5.0	✓
Total Mercury in Water by CVAAS	E508	910951	1	20	5.0	5.0	✓
Total metals in Water by CRC ICPMS	E420	908792	1	20	5.0	5.0	✓
TSS by Gravimetry	E160	908736	1	20	5.0	5.0	✓
Method Blanks (MB)							
Ammonia by Fluorescence	E298	908935	1	19	5.2	5.0	✓
Bromide in Water by IC (Low Level)	E235.Br-L	910559	1	19	5.2	5.0	✓
Chloride in Water by IC	E235.Cl	910558	1	19	5.2	5.0	✓
Fluoride in Water by IC	E235.F	910557	1	19	5.2	5.0	✓
Nitrate in Water by IC (Low Level)	E235.NO3-L	910560	1	19	5.2	5.0	✓
Nitrite in Water by IC (Low Level)	E235.NO2-L	910561	1	19	5.2	5.0	✓
Sulfate in Water by IC	E235.SO4	910562	1	19	5.2	5.0	✓
TDS by Gravimetry	E162	908739	1	20	5.0	5.0	✓
Total Mercury in Water by CVAAS	E508	910951	1	20	5.0	5.0	✓
Total metals in Water by CRC ICPMS	E420	908792	1	20	5.0	5.0	✓
TSS by Gravimetry	E160	908736	1	20	5.0	5.0	✓

Matrix: **Water**

Evaluation: × = *QC frequency outside specification*; ✓ = *QC frequency within specification.*

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Matrix Spikes (MS)							
Ammonia by Fluorescence	E298	908935	1	19	5.2	5.0	✓
Bromide in Water by IC (Low Level)	E235.Br-L	910559	1	19	5.2	5.0	✓
Chloride in Water by IC	E235.Cl	910558	1	19	5.2	5.0	✓
Fluoride in Water by IC	E235.F	910557	1	19	5.2	5.0	✓
Nitrate in Water by IC (Low Level)	E235.NO3-L	910560	1	19	5.2	5.0	✓
Nitrite in Water by IC (Low Level)	E235.NO2-L	910561	1	19	5.2	5.0	✓
Sulfate in Water by IC	E235.SO4	910562	1	19	5.2	5.0	✓
Total Mercury in Water by CVAAS	E508	910951	1	20	5.0	5.0	✓
Total metals in Water by CRC ICPMS	E420	908792	1	20	5.0	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
TSS by Gravimetry	E160 Vancouver - Environmental	Water	APHA 2540 D (mod)	Total Suspended Solids (TSS) are determined by filtering a sample through a glass fibre filter, following by drying of the filter at 104 ± 1°C, with gravimetric measurement of the filtered solids. Samples containing very high dissolved solid content (i.e. seawaters, brackish waters) may produce a positive bias by this method. Alternate analysis methods are available for these types of samples.
TDS by Gravimetry	E162 Vancouver - Environmental	Water	APHA 2540 C (mod)	Total Dissolved Solids (TDS) are determined by filtering a sample through a glass fibre filter, with evaporation of the filtrate at 180 ± 2°C for 16 hours or to constant weight, with gravimetric measurement of the residue.
Bromide in Water by IC (Low Level)	E235.Br-L Vancouver - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Chloride in Water by IC	E235.Cl Vancouver - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Fluoride in Water by IC	E235.F Vancouver - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrite in Water by IC (Low Level)	E235.NO2-L Vancouver - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrate in Water by IC (Low Level)	E235.NO3-L Vancouver - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Sulfate in Water by IC	E235.SO4 Vancouver - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Ammonia by Fluorescence	E298 Vancouver - Environmental	Water	Method Fialab 100, 2018	Ammonia in water is determined by automated continuous flow analysis with membrane diffusion and fluorescence detection, after reaction with OPA (ortho-phthalaldehyde). This method is approved under US EPA 40 CFR Part 136 (May 2021)

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Total metals in Water by CRC ICPMS	E420 Vancouver - Environmental	Water	EPA 200.2/6020B (mod)	Water samples are digested with nitric and hydrochloric acids, and analyzed by Collision/Reaction Cell ICPMS. Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.
Total Mercury in Water by CVAAS	E508 Vancouver - Environmental	Water	EPA 1631E (mod)	Water samples undergo a cold-oxidation using bromine monochloride prior to reduction with stannous chloride, and analyzed by CVAAS
Hardness (Calculated) from Total Ca/Mg	EC100A Vancouver - Environmental	Water	APHA 2340B	"Hardness (as CaCO3), from total Ca/Mg" is calculated from the sum of total Calcium and Magnesium concentrations, expressed in $CaCO_3$ equivalents. "Total Hardness" refers to the sum of Calcium and Magnesium Hardness. Hardness is normally or preferentially calculated from dissolved Calcium and Magnesium concentrations, because it is a property of water due to dissolved divalent cations. Hardness from total Ca/Mg is normally comparable to Dissolved Hardness in non-turbid waters.

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Preparation for Ammonia	EP298 Vancouver - Environmental	Water		Sample preparation for Preserved Nutrients Water Quality Analysis.

QUALITY CONTROL REPORT

Work Order	: **YL2300312**	Page	: 1 of 10
Client	: Agnico-Eagle Mines Limited	Laboratory	: Yellowknife - Environmental
Contact	: Enviro Data	Account Manager	: Megha Walia
Address	: 280, ave Larivière Rouyn-Noranda QC Canada J9X 4H4	Address	: 314 Old Airport Road, Unit 116 Yellowknife, Northwest Territories Canada X1A 3T3
Telephone	:	Telephone	: +1 867 873 5593
Project	: Doris Snowcore Dustfall	Date Samples Received	: 21-Apr-2023 09:20
PO	: OL 1250529	Date Analysis Commenced	: 24-Apr-2023
C-O-C number	: ----	Issue Date	: 30-Apr-2023 14:26
Sampler	: TL/WN 1-819-759-3555		
Site	: ----		
Quote number	: Hope Bay – Main Quote		
No. of samples received	: 10		
No. of samples analysed	: 10		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percent Difference (RPD) and Data Quality Objectives
- Matrix Spike (MS) Report; Recovery and Data Quality Objectives
- Method Blank (MB) Report; Recovery and Data Quality Objectives
- Laboratory Control Sample (LCS) Report; Recovery and Data Quality Objectives

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Alex Thornton	Analyst	Vancouver Metals, Burnaby, British Columbia
Kevin Duarte	Supervisor - Metals ICP Instrumentation	Vancouver Metals, Burnaby, British Columbia
Kim Jensen	Department Manager - Metals	Vancouver Inorganics, Burnaby, British Columbia

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number = Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO = Data Quality Objective.
LOR = Limit of Reporting (detection limit).
RPD = Relative Percent Difference
# = Indicates a QC result that did not meet the ALS DQO.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test-specific).

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
Physical Tests (QC Lot: 908736)											
VA23A8303-001	Anonymous	Solids, total suspended [TSS]	----	E160	3.0	mg/L	<3.0	<3.0	0	Diff <2x LOR	----
Physical Tests (QC Lot: 908739)											
VA23A8303-001	Anonymous	Solids, total dissolved [TDS]	----	E162	13	mg/L	117	115	2	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 908935)											
YL2300312-001	TIADF1-SNOW	Ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L	0.0234	0.0226	0.0008	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 910557)											
YL2300312-001	TIADF1-SNOW	Fluoride	16984-48-8	E235.F	0.020	mg/L	<0.020	<0.020	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 910558)											
YL2300312-001	TIADF1-SNOW	Chloride	16887-00-6	E235.Cl	0.50	mg/L	2.88	2.87	0.010	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 910559)											
YL2300312-001	TIADF1-SNOW	Bromide	24959-67-9	E235.Br-L	0.050	mg/L	<0.050	<0.050	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 910560)											
YL2300312-001	TIADF1-SNOW	Nitrate (as N)	14797-55-8	E235.NO3-L	0.0050	mg/L	0.0486	0.0480	0.0005	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 910561)											
YL2300312-001	TIADF1-SNOW	Nitrite (as N)	14797-65-0	E235.NO2-L	0.0010	mg/L	<0.0010	<0.0010	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 910562)											
YL2300312-001	TIADF1-SNOW	Sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L	0.42	0.36	0.06	Diff <2x LOR	----
Total Metals (QC Lot: 908792)											
KS2301257-001	Anonymous	Aluminum, total	7429-90-5	E420	0.0100	mg/L	<0.0100	<0.0100	0	Diff <2x LOR	----
		Antimony, total	7440-36-0	E420	0.00050	mg/L	<0.00050	<0.00050	0	Diff <2x LOR	----
		Arsenic, total	7440-38-2	E420	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		Barium, total	7440-39-3	E420	0.0200	mg/L	<0.0200	<0.0200	0	Diff <2x LOR	----
		Beryllium, total	7440-41-7	E420	0.000040	mg/L	<0.000040	<0.000040	0	Diff <2x LOR	----
		Bismuth, total	7440-69-9	E420	0.000100	mg/L	<0.000100	<0.000100	0	Diff <2x LOR	----
		Boron, total	7440-42-8	E420	0.100	mg/L	0.293	0.312	0.019	Diff <2x LOR	----
		Cadmium, total	7440-43-9	E420	0.000200	mg/L	<0.000200	<0.000200	0	Diff <2x LOR	----
		Calcium, total	7440-70-2	E420	0.100	mg/L	403	407	0.949%	20%	----
		Cesium, total	7440-46-2	E420	0.000020	mg/L	<0.000020	<0.000020	0	Diff <2x LOR	----
		Chromium, total	7440-47-3	E420	0.00200	mg/L	<0.00200	<0.00200	0	Diff <2x LOR	----
		Cobalt, total	7440-48-4	E420	0.00020	mg/L	0.00034	0.00033	0.000008	Diff <2x LOR	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Total Metals (QC Lot: 908792) - continued											
KS2301257-001	Anonymous	Copper, total	7440-50-8	E420	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		Iron, total	7439-89-6	E420	0.030	mg/L	3.93	4.22	7.05%	20%	----
		Lead, total	7439-92-1	E420	0.000500	mg/L	<0.000500	<0.000500	0	Diff <2x LOR	----
		Lithium, total	7439-93-2	E420	0.0020	mg/L	0.0052	0.0054	0.0002	Diff <2x LOR	----
		Magnesium, total	7439-95-4	E420	0.100	mg/L	47.1	48.0	1.68%	20%	----
		Manganese, total	7439-96-5	E420	0.00200	mg/L	0.271	0.276	1.63%	20%	----
		Molybdenum, total	7439-98-7	E420	0.000100	mg/L	0.00185	0.00191	3.42%	20%	----
		Nickel, total	7440-02-0	E420	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		Phosphorus, total	7723-14-0	E420	0.100	mg/L	<0.100	<0.100	0	Diff <2x LOR	----
		Potassium, total	7440-09-7	E420	0.100	mg/L	12.9	13.1	1.38%	20%	----
		Rubidium, total	7440-17-7	E420	0.00040	mg/L	0.00766	0.00803	4.68%	20%	----
		Selenium, total	7782-49-2	E420	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		Silicon, total	7440-21-3	E420	0.20	mg/L	7.86	8.21	4.41%	20%	----
		Silver, total	7440-22-4	E420	0.000020	mg/L	<0.000020	<0.000020	0	Diff <2x LOR	----
		Sodium, total	7440-23-5	E420	2.00	mg/L	134	136	1.24%	20%	----
		Strontium, total	7440-24-6	E420	0.00040	mg/L	3.08	3.16	2.32%	20%	----
		Sulfur, total	7704-34-9	E420	1.00	mg/L	479	479	0.0244%	20%	----
		Tellurium, total	13494-80-9	E420	0.00040	mg/L	<0.00040	<0.00040	0	Diff <2x LOR	----
		Thallium, total	7440-28-0	E420	0.000020	mg/L	<0.000020	<0.000020	0	Diff <2x LOR	----
		Thorium, total	7440-29-1	E420	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		Tin, total	7440-31-5	E420	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		Titanium, total	7440-32-6	E420	0.00060	mg/L	<0.00060	<0.00060	0	Diff <2x LOR	----
		Tungsten, total	7440-33-7	E420	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		Uranium, total	7440-61-1	E420	0.000100	mg/L	<0.000100	<0.000100	0	Diff <2x LOR	----
		Vanadium, total	7440-62-2	E420	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		Zinc, total	7440-66-6	E420	0.0500	mg/L	<0.0500	<0.0500	0	Diff <2x LOR	----
		Zirconium, total	7440-67-7	E420	0.00040	mg/L	<0.00040	<0.00040	0	Diff <2x LOR	----
Total Metals (QC Lot: 910951)											
VA23A8582-020	Anonymous	Mercury, total	7439-97-6	E508	0.0000050	mg/L	<0.0000050	0.0000054	0.0000004	Diff <2x LOR	----

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 908736)						
Solids, total suspended [TSS]	----	E160	3	mg/L	<3.0	----
Physical Tests (QCLot: 908739)						
Solids, total dissolved [TDS]	----	E162	10	mg/L	<10	----
Anions and Nutrients (QCLot: 908935)						
Ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	<0.0050	----
Anions and Nutrients (QCLot: 910557)						
Fluoride	16984-48-8	E235.F	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 910558)						
Chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	----
Anions and Nutrients (QCLot: 910559)						
Bromide	24959-67-9	E235.Br-L	0.05	mg/L	<0.050	----
Anions and Nutrients (QCLot: 910560)						
Nitrate (as N)	14797-55-8	E235.NO3-L	0.005	mg/L	<0.0050	----
Anions and Nutrients (QCLot: 910561)						
Nitrite (as N)	14797-65-0	E235.NO2-L	0.001	mg/L	<0.0010	----
Anions and Nutrients (QCLot: 910562)						
Sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Total Metals (QCLot: 908792)						
Aluminum, total	7429-90-5	E420	0.003	mg/L	<0.0030	----
Antimony, total	7440-36-0	E420	0.0001	mg/L	<0.00010	----
Arsenic, total	7440-38-2	E420	0.0001	mg/L	<0.00010	----
Barium, total	7440-39-3	E420	0.0001	mg/L	<0.00010	----
Beryllium, total	7440-41-7	E420	0.00002	mg/L	<0.000020	----
Bismuth, total	7440-69-9	E420	0.00005	mg/L	<0.000050	----
Boron, total	7440-42-8	E420	0.01	mg/L	<0.010	----
Cadmium, total	7440-43-9	E420	0.000005	mg/L	<0.0000050	----
Calcium, total	7440-70-2	E420	0.05	mg/L	<0.050	----
Cesium, total	7440-46-2	E420	0.00001	mg/L	<0.000010	----
Chromium, total	7440-47-3	E420	0.0005	mg/L	<0.00050	----
Cobalt, total	7440-48-4	E420	0.0001	mg/L	<0.00010	----
Copper, total	7440-50-8	E420	0.0005	mg/L	<0.00050	----
Iron, total	7439-89-6	E420	0.01	mg/L	<0.010	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Total Metals (QCLot: 908792) - continued						
Lead, total	7439-92-1	E420	0.00005	mg/L	<0.000050	----
Lithium, total	7439-93-2	E420	0.001	mg/L	<0.0010	----
Magnesium, total	7439-95-4	E420	0.005	mg/L	<0.0050	----
Manganese, total	7439-96-5	E420	0.0001	mg/L	<0.00010	----
Molybdenum, total	7439-98-7	E420	0.00005	mg/L	<0.000050	----
Nickel, total	7440-02-0	E420	0.0005	mg/L	<0.00050	----
Phosphorus, total	7723-14-0	E420	0.05	mg/L	<0.050	----
Potassium, total	7440-09-7	E420	0.05	mg/L	<0.050	----
Rubidium, total	7440-17-7	E420	0.0002	mg/L	<0.00020	----
Selenium, total	7782-49-2	E420	0.00005	mg/L	<0.000050	----
Silicon, total	7440-21-3	E420	0.1	mg/L	<0.10	----
Silver, total	7440-22-4	E420	0.00001	mg/L	<0.000010	----
Sodium, total	7440-23-5	E420	0.05	mg/L	<0.050	----
Strontium, total	7440-24-6	E420	0.0002	mg/L	<0.00020	----
Sulfur, total	7704-34-9	E420	0.5	mg/L	<0.50	----
Tellurium, total	13494-80-9	E420	0.0002	mg/L	<0.00020	----
Thallium, total	7440-28-0	E420	0.00001	mg/L	<0.000010	----
Thorium, total	7440-29-1	E420	0.0001	mg/L	<0.00010	----
Tin, total	7440-31-5	E420	0.0001	mg/L	<0.00010	----
Titanium, total	7440-32-6	E420	0.0003	mg/L	<0.00030	----
Tungsten, total	7440-33-7	E420	0.0001	mg/L	<0.00010	----
Uranium, total	7440-61-1	E420	0.00001	mg/L	<0.000010	----
Vanadium, total	7440-62-2	E420	0.0005	mg/L	<0.00050	----
Zinc, total	7440-66-6	E420	0.003	mg/L	<0.0030	----
Zirconium, total	7440-67-7	E420	0.0002	mg/L	<0.00020	----
Total Metals (QCLot: 910951)						
Mercury, total	7439-97-6	E508	0.000005	mg/L	<0.0000050	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 908736)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	86.7	85.0	115	----
Physical Tests (QCLot: 908739)									
Solids, total dissolved [TDS]	----	E162	10	mg/L	1000 mg/L	101	85.0	115	----
Anions and Nutrients (QCLot: 908935)									
Ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	0.2 mg/L	90.7	85.0	115	----
Anions and Nutrients (QCLot: 910557)									
Fluoride	16984-48-8	E235.F	0.02	mg/L	1 mg/L	103	90.0	110	----
Anions and Nutrients (QCLot: 910558)									
Chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	99.5	90.0	110	----
Anions and Nutrients (QCLot: 910559)									
Bromide	24959-67-9	E235.Br-L	0.05	mg/L	0.5 mg/L	93.4	85.0	115	----
Anions and Nutrients (QCLot: 910560)									
Nitrate (as N)	14797-55-8	E235.NO3-L	0.005	mg/L	2.5 mg/L	101	90.0	110	----
Anions and Nutrients (QCLot: 910561)									
Nitrite (as N)	14797-65-0	E235.NO2-L	0.001	mg/L	0.5 mg/L	98.5	90.0	110	----
Anions and Nutrients (QCLot: 910562)									
Sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	100	90.0	110	----
Total Metals (QCLot: 908792)									
Aluminum, total	7429-90-5	E420	0.003	mg/L	2 mg/L	94.7	80.0	120	----
Antimony, total	7440-36-0	E420	0.0001	mg/L	1 mg/L	106	80.0	120	----
Arsenic, total	7440-38-2	E420	0.0001	mg/L	1 mg/L	96.9	80.0	120	----
Barium, total	7440-39-3	E420	0.0001	mg/L	0.25 mg/L	96.3	80.0	120	----
Beryllium, total	7440-41-7	E420	0.00002	mg/L	0.1 mg/L	95.1	80.0	120	----
Bismuth, total	7440-69-9	E420	0.00005	mg/L	1 mg/L	92.4	80.0	120	----
Boron, total	7440-42-8	E420	0.01	mg/L	1 mg/L	99.3	80.0	120	----
Cadmium, total	7440-43-9	E420	0.000005	mg/L	0.1 mg/L	100	80.0	120	----
Calcium, total	7440-70-2	E420	0.05	mg/L	50 mg/L	96.9	80.0	120	----
Cesium, total	7440-46-2	E420	0.00001	mg/L	0.05 mg/L	101	80.0	120	----
Chromium, total	7440-47-3	E420	0.0005	mg/L	0.25 mg/L	94.4	80.0	120	----
Cobalt, total	7440-48-4	E420	0.0001	mg/L	0.25 mg/L	98.4	80.0	120	----

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Total Metals (QCLot: 908792) - continued									
Copper, total	7440-50-8	E420	0.0005	mg/L	0.25 mg/L	95.4	80.0	120	----
Iron, total	7439-89-6	E420	0.01	mg/L	1 mg/L	100	80.0	120	----
Lead, total	7439-92-1	E420	0.00005	mg/L	0.5 mg/L	97.7	80.0	120	----
Lithium, total	7439-93-2	E420	0.001	mg/L	0.25 mg/L	96.1	80.0	120	----
Magnesium, total	7439-95-4	E420	0.005	mg/L	50 mg/L	104	80.0	120	----
Manganese, total	7439-96-5	E420	0.0001	mg/L	0.25 mg/L	96.1	80.0	120	----
Molybdenum, total	7439-98-7	E420	0.00005	mg/L	0.25 mg/L	99.4	80.0	120	----
Nickel, total	7440-02-0	E420	0.0005	mg/L	0.5 mg/L	97.0	80.0	120	----
Phosphorus, total	7723-14-0	E420	0.05	mg/L	10 mg/L	92.4	80.0	120	----
Potassium, total	7440-09-7	E420	0.05	mg/L	50 mg/L	98.0	80.0	120	----
Rubidium, total	7440-17-7	E420	0.0002	mg/L	0.1 mg/L	97.1	80.0	120	----
Selenium, total	7782-49-2	E420	0.00005	mg/L	1 mg/L	105	80.0	120	----
Silicon, total	7440-21-3	E420	0.1	mg/L	10 mg/L	99.4	80.0	120	----
Silver, total	7440-22-4	E420	0.00001	mg/L	0.1 mg/L	98.2	80.0	120	----
Sodium, total	7440-23-5	E420	0.05	mg/L	50 mg/L	102	80.0	120	----
Strontium, total	7440-24-6	E420	0.0002	mg/L	0.25 mg/L	106	80.0	120	----
Sulfur, total	7704-34-9	E420	0.5	mg/L	50 mg/L	97.3	80.0	120	----
Tellurium, total	13494-80-9	E420	0.0002	mg/L	0.1 mg/L	100	80.0	120	----
Thallium, total	7440-28-0	E420	0.00001	mg/L	1 mg/L	97.6	80.0	120	----
Thorium, total	7440-29-1	E420	0.0001	mg/L	0.1 mg/L	90.6	80.0	120	----
Tin, total	7440-31-5	E420	0.0001	mg/L	0.5 mg/L	97.0	80.0	120	----
Titanium, total	7440-32-6	E420	0.0003	mg/L	0.25 mg/L	92.8	80.0	120	----
Tungsten, total	7440-33-7	E420	0.0001	mg/L	0.1 mg/L	94.4	80.0	120	----
Uranium, total	7440-61-1	E420	0.00001	mg/L	0.005 mg/L	94.2	80.0	120	----
Vanadium, total	7440-62-2	E420	0.0005	mg/L	0.5 mg/L	96.7	80.0	120	----
Zinc, total	7440-66-6	E420	0.003	mg/L	0.5 mg/L	93.0	80.0	120	----
Zirconium, total	7440-67-7	E420	0.0002	mg/L	0.1 mg/L	96.1	80.0	120	----
Total Metals (QCLot: 910951)									
Mercury, total	7439-97-6	E508	0.000005	mg/L	0.0001 mg/L	95.4	80.0	120	----

Matrix Spike (MS) Report

A Matrix Spike (MS) is a randomly selected intra-laboratory replicate sample that has been fortified (spiked) with test analytes at known concentration, and processed in an identical manner to test samples. Matrix Spikes provide information regarding analyte recovery and potential matrix effects. MS DQO exceedances due to sample matrix may sometimes be unavoidable; in such cases, test results for the associated sample (or similar samples) may be subject to bias. ND – Recovery not determined, background level >= 1x spike level.

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Anions and Nutrients (QCLot: 908935)										
YL2300312-002	TIADF2-SNOW	Ammonia, total (as N)	7664-41-7	E298	0.0911 mg/L	0.1 mg/L	91.1	75.0	125	----
Anions and Nutrients (QCLot: 910557)										
YL2300312-002	TIADF2-SNOW	Fluoride	16984-48-8	E235.F	1.06 mg/L	1 mg/L	106	75.0	125	----
Anions and Nutrients (QCLot: 910558)										
YL2300312-002	TIADF2-SNOW	Chloride	16887-00-6	E235.Cl	104 mg/L	100 mg/L	104	75.0	125	----
Anions and Nutrients (QCLot: 910559)										
YL2300312-002	TIADF2-SNOW	Bromide	24959-67-9	E235.Br-L	0.508 mg/L	0.5 mg/L	102	75.0	125	----
Anions and Nutrients (QCLot: 910560)										
YL2300312-002	TIADF2-SNOW	Nitrate (as N)	14797-55-8	E235.NO3-L	2.62 mg/L	2.5 mg/L	105	75.0	125	----
Anions and Nutrients (QCLot: 910561)										
YL2300312-002	TIADF2-SNOW	Nitrite (as N)	14797-65-0	E235.NO2-L	0.516 mg/L	0.5 mg/L	103	75.0	125	----
Anions and Nutrients (QCLot: 910562)										
YL2300312-002	TIADF2-SNOW	Sulfate (as SO4)	14808-79-8	E235.SO4	104 mg/L	100 mg/L	104	75.0	125	----
Total Metals (QCLot: 908792)										
YL2300312-001	TIADF1-SNOW	Aluminum, total	7429-90-5	E420	ND mg/L	0.2 mg/L	ND	70.0	130	----
		Antimony, total	7440-36-0	E420	0.0187 mg/L	0.02 mg/L	93.4	70.0	130	----
		Arsenic, total	7440-38-2	E420	0.0186 mg/L	0.02 mg/L	93.0	70.0	130	----
		Barium, total	7440-39-3	E420	0.0194 mg/L	0.02 mg/L	96.9	70.0	130	----
		Beryllium, total	7440-41-7	E420	0.0366 mg/L	0.04 mg/L	91.6	70.0	130	----
		Bismuth, total	7440-69-9	E420	0.00894 mg/L	0.01 mg/L	89.4	70.0	130	----
		Boron, total	7440-42-8	E420	0.095 mg/L	0.1 mg/L	94.9	70.0	130	----
		Cadmium, total	7440-43-9	E420	0.00382 mg/L	0.004 mg/L	95.5	70.0	130	----
		Calcium, total	7440-70-2	E420	3.62 mg/L	4 mg/L	90.6	70.0	130	----
		Cesium, total	7440-46-2	E420	0.00959 mg/L	0.01 mg/L	95.9	70.0	130	----
		Chromium, total	7440-47-3	E420	0.0368 mg/L	0.04 mg/L	92.0	70.0	130	----
		Cobalt, total	7440-48-4	E420	0.0190 mg/L	0.02 mg/L	95.0	70.0	130	----
		Copper, total	7440-50-8	E420	0.0182 mg/L	0.02 mg/L	91.3	70.0	130	----
		Iron, total	7439-89-6	E420	1.87 mg/L	2 mg/L	93.4	70.0	130	----
		Lead, total	7439-92-1	E420	0.0180 mg/L	0.02 mg/L	90.0	70.0	130	----

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Total Metals (QCLot: 908792) - continued										
YL2300312-001	TIADF1-SNOW	Lithium, total	7439-93-2	E420	0.0909 mg/L	0.1 mg/L	90.9	70.0	130	----
		Magnesium, total	7439-95-4	E420	0.931 mg/L	1 mg/L	93.1	70.0	130	----
		Manganese, total	7439-96-5	E420	ND mg/L	0.02 mg/L	ND	70.0	130	----
		Molybdenum, total	7439-98-7	E420	0.0187 mg/L	0.02 mg/L	93.4	70.0	130	----
		Nickel, total	7440-02-0	E420	0.0371 mg/L	0.04 mg/L	92.8	70.0	130	----
		Phosphorus, total	7723-14-0	E420	9.02 mg/L	10 mg/L	90.2	70.0	130	----
		Potassium, total	7440-09-7	E420	3.77 mg/L	4 mg/L	94.3	70.0	130	----
		Rubidium, total	7440-17-7	E420	0.0188 mg/L	0.02 mg/L	94.0	70.0	130	----
		Selenium, total	7782-49-2	E420	0.0391 mg/L	0.04 mg/L	97.7	70.0	130	----
		Silicon, total	7440-21-3	E420	9.34 mg/L	10 mg/L	93.4	70.0	130	----
		Silver, total	7440-22-4	E420	0.00385 mg/L	0.004 mg/L	96.3	70.0	130	----
		Sodium, total	7440-23-5	E420	1.81 mg/L	2 mg/L	90.7	70.0	130	----
		Strontium, total	7440-24-6	E420	0.0193 mg/L	0.02 mg/L	96.6	70.0	130	----
		Sulfur, total	7704-34-9	E420	17.9 mg/L	20 mg/L	89.5	70.0	130	----
		Tellurium, total	13494-80-9	E420	0.0381 mg/L	0.04 mg/L	95.2	70.0	130	----
		Thallium, total	7440-28-0	E420	0.00351 mg/L	0.004 mg/L	87.8	70.0	130	----
		Thorium, total	7440-29-1	E420	0.0192 mg/L	0.02 mg/L	96.1	70.0	130	----
		Tin, total	7440-31-5	E420	0.0184 mg/L	0.02 mg/L	91.9	70.0	130	----
		Titanium, total	7440-32-6	E420	0.0359 mg/L	0.04 mg/L	89.8	70.0	130	----
		Tungsten, total	7440-33-7	E420	0.0172 mg/L	0.02 mg/L	86.1	70.0	130	----
		Uranium, total	7440-61-1	E420	0.00352 mg/L	0.004 mg/L	88.0	70.0	130	----
		Vanadium, total	7440-62-2	E420	0.0923 mg/L	0.1 mg/L	92.3	70.0	130	----
		Zinc, total	7440-66-6	E420	0.362 mg/L	0.4 mg/L	90.4	70.0	130	----
		Zirconium, total	7440-67-7	E420	0.0389 mg/L	0.04 mg/L	97.3	70.0	130	----
Total Metals (QCLot: 910951)										
VA23A8582-021	Anonymous	Mercury, total	7439-97-6	E508	0.0000970 mg/L	0.0001 mg/L	97.0	70.0	130	----

Work Order Reference
YL2300312

ALS Environment

Telephone : +1 867 873 5593

Chain of Custody / Analytical Request Form
Canada Toll Free: 1 800 668 9878
www.alsglobal.com

COC # _____

Page 1 of 1

Report To:		Report Format / Distribution				Service Requested (Rush for routine analysis subject to availability)
Company:	Agnico Eagle Mines Ltd.	☐ Standard	☐ Other			◉ Regular (Standard Turnaround Times - Business Days)
Contact:	Environmental Site Manager	☑ PDF	☑ Excel	☑ Digital	☐ Fax	○ Priority (2-4 Business Days) - 50% Surcharge - Contact ALS to Confirm TAT
Address:	145 King Street East	Email 1:	enviro.data@agnicoeagle.com			○ Emergency (1-2 Bus. Days) - 100% Surcharge - Contact ALS to Confirm TAT
	Suite 400, Toronto, On, M5C 2Y7	Email 2:	Gregory.Crooks@stantec.com			○ Same Day or Weekend Emergency - Contact ALS to Confirm TAT
Phone:	1-819-759-3555 Fax:	Email 3:				Analysis Request
Invoice To	Same as Report ? Y	Client / Project Information				Please indicate below Filtered, Preserved or both (F, P, F/P)
Hardcopy of Invoice with Report?		Job #:				P
Company:		PO / AFE:	OL 1250529			
Contact:		LSD:				
Address:		Job Ref:	Doris Snowcore Dustfall			
Phone:	Fax:	Quote #:	Q80651	Task code:	Snowcore	
Lab Work Order # (lab use only)		ALS Contact:	Megha Walia	Sampler:	TL/WN	

Sample #	Sample Identification (This description will appear on the report)		Date In (dd-mmm-yy)	TIME	Sample Type	TDS	TSS	Anions	Total-Metals + Total Hg	Ammonia							Number of Containers
1	TIADF1-SNOW	TIADF1-SNOW	16-Apr-23	10:15	Water	X	X	X	X	X							4
2	TIADF2-SNOW	TIADF2-SNOW	16-Apr-23	11:25	Water	X	X	X	X	X							4
3	TIADF3-SNOW	TIADF3-SNOW	18-Apr-23	14:55	Water	X	X	X	X	X							4
4	ControlDF-SNOW	CONTROLDF-SNOW	15-Apr-23	11:45	Water	X	X	X	X	X							4
5	DFA1-SNOW	DFA1-SNOW	16-Apr-23	8:55	Water	X	X	X	X	X							4
6	CDF4-SNOW	CDF4-SNOW	16-Apr-23	13:45	Water	X	X	X	X	X							4
7	EQB-SNOW	SNOWCORE_QAQC	18-Apr-23	16:05	Water	X	X	X	X	X							4
8	TVBK-SNOW	SNOWCORE_QAQC	16-Apr-23	9:00	Water	X	X	X	X	X							4
9	M-DF09-SNOW-DUP	SNOWCORE_QAQC	15-Apr-23	15:55	Water	X	X	X	X	X							4
10	TIADF2-SNOW-DUP	SNOWCORE_QAQC	16-Apr-23	11:35	Water	X	X	X	X	X							4

Special Instructions / Regulations with water or land use (CCME-Freshwater Aquatic Life/BC CSR - Commercial/AB Tier 1 - Natural, etc) / Hazardous Details

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

By the use of this form the user acknowledges and agrees with the Terms and Conditions as provided on a separate Excel tab.

Also provided on another Excel tab are the ALS location addresses, phone numbers and sample container / preservation / holding time table for common analyses.

SHIPMENT RELEASE (client use)			SHIPMENT RECEPTION (lab use only)				SHIPMENT VERIFICATION (lab use only)			
Released by:	Date (dd-mmm-yy)	Time (hh-mm)	Received by:	Date:	Time:	Temperature:	Verified by:	Date:	Time:	Observations: Yes / No ? If Yes add SIF
Tyler Lausch	20-Apr-23	9:00	SA	21/APR/23	9:20	6.5 °C				

GENF 18.01 Front

CERTIFICATE OF ANALYSIS

Work Order	: **YL2300313**	Page	: 1 of 6
Client	: **Agnico-Eagle Mines Limited**	Laboratory	: Yellowknife - Environmental
Contact	: Enviro Data	Account Manager	: Megha Walia
Address	: 280, ave Larivière Rouyn-Noranda QC Canada J9X 4H4	Address	: 314 Old Airport Road, Unit 116 Yellowknife NT Canada X1A 3T3
Telephone	: 1-819-759-3555	Telephone	: +1 867 873 5593
Project	: Madrid Dustfall Snowcore	Date Samples Received	: 21-Apr-2023 09:20
PO	: OL 1250529	Date Analysis Commenced	: 24-Apr-2023
C-O-C number	: ----	Issue Date	: 30-Apr-2023 14:26
Sampler	: TL/WN		
Site	: ----		
Quote number	: Hope Bay – Main Quote		
No. of samples received	: 9		
No. of samples analysed	: 9		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Alex Thornton	Analyst	Metals, Burnaby, British Columbia
Kevin Duarte	Supervisor - Metals ICP Instrumentation	Metals, Burnaby, British Columbia
Kim Jensen	Department Manager - Metals	Inorganics, Burnaby, British Columbia

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.
Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances
LOR: Limit of Reporting (detection limit).

Unit	*Description*
mg/L	milligrams per litre

<: less than.

>: greater than.

Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Sample Comments

Sample	Client Id	*Comment*
YL2300313-003	M-DF03-SNOW	Water sample for total mercury analysis was not submitted in glass or PTFE container with HCl preservative. Results may be biased low.

Analytical Results

Sub-Matrix: Water
(Matrix: Water)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	M-DF01-SNOW	M-DF02-SNOW	M-DF03-SNOW	M-DF04-SNOW	M-DF05-SNOW
					Client sampling date / time	14-Apr-2023 15:50	14-Apr-2023 11:00	14-Apr-2023 12:25	14-Apr-2023 14:15	15-Apr-2023 09:15
						YL2300313-001	YL2300313-002	YL2300313-003	YL2300313-004	YL2300313-005
						Result	Result	Result	Result	Result
Physical Tests										
Hardness (as CaCO3), from total Ca/Mg	----	EC100A	0.60	mg/L		4.18	0.89	1.25	2.12	1.05
Solids, total dissolved [TDS]	----	E162	10	mg/L		15	10	13	12	<10
Solids, total suspended [TSS]	----	E160	3.0	mg/L		3.8	<3.0	3.2	12.2	<3.0
Anions and Nutrients										
Ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		0.0158	0.0161	0.0132	0.0320	0.0389
Bromide	24959-67-9	E235.Br-L	0.050	mg/L		<0.050	<0.050	<0.050	<0.050	<0.050
Chloride	16887-00-6	E235.Cl	0.50	mg/L		2.92	1.56	1.84	2.20	1.35
Fluoride	16984-48-8	E235.F	0.020	mg/L		<0.020	<0.020	<0.020	<0.020	<0.020
Nitrate (as N)	14797-55-8	E235.NO3-L	0.0050	mg/L		0.0437	0.0620	0.0516	0.0163	0.0405
Nitrite (as N)	14797-65-0	E235.NO2-L	0.0010	mg/L		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		<0.30	<0.30	<0.30	<0.30	<0.30
Total Metals										
Aluminum, total	7429-90-5	E420	0.0030	mg/L		0.217	0.0172	0.0210	0.0699	0.0143
Antimony, total	7440-36-0	E420	0.00010	mg/L		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Arsenic, total	7440-38-2	E420	0.00010	mg/L		0.00022	<0.00010	<0.00010	<0.00010	<0.00010
Barium, total	7440-39-3	E420	0.00010	mg/L		0.00066	0.00020	0.00085	0.00190	0.00045
Beryllium, total	7440-41-7	E420	0.000100	mg/L		<0.000100	<0.000100	<0.000100	<0.000100	<0.000100
Bismuth, total	7440-69-9	E420	0.000050	mg/L		<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Boron, total	7440-42-8	E420	0.010	mg/L		<0.010	<0.010	<0.010	<0.010	<0.010
Cadmium, total	7440-43-9	E420	0.0000050	mg/L		<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Calcium, total	7440-70-2	E420	0.050	mg/L		1.02	0.126	0.192	0.437	0.178
Cesium, total	7440-46-2	E420	0.000010	mg/L		<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Chromium, total	7440-47-3	E420	0.00050	mg/L		0.00060	<0.00050	<0.00050	<0.00050	<0.00050
Cobalt, total	7440-48-4	E420	0.00010	mg/L		0.00024	<0.00010	<0.00010	<0.00010	<0.00010
Copper, total	7440-50-8	E420	0.00050	mg/L		0.00065	<0.00050	<0.00050	<0.00050	<0.00050
Iron, total	7439-89-6	E420	0.010	mg/L		0.463	0.033	0.035	0.133	0.020
Lead, total	7439-92-1	E420	0.000050	mg/L		<0.000050	<0.000050	<0.000050	0.000074	<0.000050
Lithium, total	7439-93-2	E420	0.0010	mg/L		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Magnesium, total	7439-95-4	E420	0.0050	mg/L		0.396	0.140	0.188	0.251	0.147

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	M-DF01-SNOW	M-DF02-SNOW	M-DF03-SNOW	M-DF04-SNOW	M-DF05-SNOW
					Client sampling date / time	14-Apr-2023 15:50	14-Apr-2023 11:00	14-Apr-2023 12:25	14-Apr-2023 14:15	15-Apr-2023 09:15
						YL2300313-001	YL2300313-002	YL2300313-003	YL2300313-004	YL2300313-005
						Result	Result	Result	Result	Result
Total Metals										
Manganese, total	7439-96-5	E420	0.00010	mg/L		0.0138	0.00230	0.00784	0.0106	0.00431
Mercury, total	7439-97-6	E508	0.0000050	mg/L		<0.0000050	<0.0000050	<0.0000050	0.0000081	<0.0000050
Molybdenum, total	7439-98-7	E420	0.000050	mg/L		<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Nickel, total	7440-02-0	E420	0.00050	mg/L		0.00052	<0.00050	<0.00050	<0.00050	<0.00050
Phosphorus, total	7723-14-0	E420	0.050	mg/L		<0.050	<0.050	<0.050	<0.050	<0.050
Potassium, total	7440-09-7	E420	0.050	mg/L		0.091	<0.050	0.102	0.105	0.101
Rubidium, total	7440-17-7	E420	0.00020	mg/L		<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Selenium, total	7782-49-2	E420	0.000050	mg/L		<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Silicon, total	7440-21-3	E420	0.10	mg/L		0.32	<0.10	<0.10	0.13	<0.10
Silver, total	7440-22-4	E420	0.000010	mg/L		<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Sodium, total	7440-23-5	E420	0.050	mg/L		0.924	0.617	0.722	0.863	0.613
Strontium, total	7440-24-6	E420	0.00020	mg/L		0.00524	0.00084	0.00105	0.00196	0.00076
Sulfur, total	7704-34-9	E420	0.50	mg/L		<0.50	<0.50	<0.50	<0.50	<0.50
Tellurium, total	13494-80-9	E420	0.00020	mg/L		<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Thallium, total	7440-28-0	E420	0.000010	mg/L		<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Thorium, total	7440-29-1	E420	0.00010	mg/L		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin, total	7440-31-5	E420	0.00010	mg/L		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Titanium, total	7440-32-6	E420	0.00030	mg/L		0.00775	0.00092	0.00059	0.00269	0.00039
Tungsten, total	7440-33-7	E420	0.00010	mg/L		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Uranium, total	7440-61-1	E420	0.000010	mg/L		<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Vanadium, total	7440-62-2	E420	0.00050	mg/L		0.00119	<0.00050	<0.00050	<0.00050	<0.00050
Zinc, total	7440-66-6	E420	0.0030	mg/L		<0.0030	<0.0030	0.0030	<0.0030	0.0030
Zirconium, total	7440-67-7	E420	0.00020	mg/L		<0.00020	<0.00020	<0.00020	<0.00020	<0.00020

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: Water (Matrix: Water)				Client sample ID	M-DF06-SNOW	M-DF07-SNOW	M-DF08-SNOW	M-DF09-SNOW	----
				Client sampling date / time	15-Apr-2023 12:15	15-Apr-2023 13:45	15-Apr-2023 13:55	15-Apr-2023 15:45	----
Analyte	CAS Number	Method	LOR	Unit	YL2300313-006	YL2300313-007	YL2300313-008	YL2300313-009	--------
					Result	Result	Result	Result	----
Physical Tests									
Hardness (as CaCO3), from total Ca/Mg	----	EC100A	0.60	mg/L	9.40	13.2	8.93	9.85	----
Solids, total dissolved [TDS]	----	E162	10	mg/L	18	16	15	20	----
Solids, total suspended [TSS]	----	E160	3.0	mg/L	14.8	24.4	19.6	22.0	----
Anions and Nutrients									
Ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L	0.0101	0.0126	0.0127	0.0072	----
Bromide	24959-67-9	E235.Br-L	0.050	mg/L	<0.050	<0.050	<0.050	<0.050	----
Chloride	16887-00-6	E235.Cl	0.50	mg/L	4.06	2.12	1.69	4.64	----
Fluoride	16984-48-8	E235.F	0.020	mg/L	<0.020	<0.020	<0.020	<0.020	----
Nitrate (as N)	14797-55-8	E235.NO3-L	0.0050	mg/L	0.0357	0.0481	0.0482	0.0114	----
Nitrite (as N)	14797-65-0	E235.NO2-L	0.0010	mg/L	0.0010	<0.0010	<0.0010	<0.0010	----
Sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L	<0.30	<0.30	<0.30	<0.30	----
Total Metals									
Aluminum, total	7429-90-5	E420	0.0030	mg/L	0.801	1.46	1.21	0.733	----
Antimony, total	7440-36-0	E420	0.00010	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	----
Arsenic, total	7440-38-2	E420	0.00010	mg/L	<0.00010	0.00015	0.00014	0.00015	----
Barium, total	7440-39-3	E420	0.00010	mg/L	0.00112	0.00128	0.00133	0.00123	----
Beryllium, total	7440-41-7	E420	0.000100	mg/L	<0.000100	<0.000100	<0.000100	<0.000100	----
Bismuth, total	7440-69-9	E420	0.000050	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	----
Boron, total	7440-42-8	E420	0.010	mg/L	<0.010	<0.010	<0.010	<0.010	----
Cadmium, total	7440-43-9	E420	0.0000050	mg/L	<0.0000050	0.0000114	<0.0000050	0.0000058	----
Calcium, total	7440-70-2	E420	0.050	mg/L	2.05	3.13	1.83	2.13	----
Cesium, total	7440-46-2	E420	0.000010	mg/L	<0.000010	0.000012	0.000011	0.000010	----
Chromium, total	7440-47-3	E420	0.00050	mg/L	0.00301	0.00519	0.00374	0.00213	----
Cobalt, total	7440-48-4	E420	0.00010	mg/L	0.00086	0.00158	0.00122	0.00077	----
Copper, total	7440-50-8	E420	0.00050	mg/L	0.00204	0.00402	0.00263	0.00203	----
Iron, total	7439-89-6	E420	0.010	mg/L	1.65	2.97	2.40	1.60	----
Lead, total	7439-92-1	E420	0.000050	mg/L	0.000104	0.000120	0.000082	0.000075	----
Lithium, total	7439-93-2	E420	0.0010	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	----
Magnesium, total	7439-95-4	E420	0.0050	mg/L	1.04	1.32	1.06	1.10	----
Manganese, total	7439-96-5	E420	0.00010	mg/L	0.0411	0.0633	0.0485	0.0393	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	M-DF06-SNOW	M-DF07-SNOW	M-DF08-SNOW	M-DF09-SNOW	----
					Client sampling date / time	15-Apr-2023 12:15	15-Apr-2023 13:45	15-Apr-2023 13:55	15-Apr-2023 15:45	----
						YL2300313-006	YL2300313-007	YL2300313-008	YL2300313-009	--------
						Result	Result	Result	Result	----
Total Metals										
Mercury, total	7439-97-6	E508	0.0000050	mg/L		<0.0000050	<0.0000050	<0.0000050	<0.0000050	----
Molybdenum, total	7439-98-7	E420	0.000050	mg/L		0.000065	0.000081	<0.000050	0.000056	----
Nickel, total	7440-02-0	E420	0.00050	mg/L		0.00171	0.00303	0.00266	0.00148	----
Phosphorus, total	7723-14-0	E420	0.050	mg/L		<0.050	<0.050	<0.050	<0.050	----
Potassium, total	7440-09-7	E420	0.050	mg/L		0.180	0.136	0.103	0.304	----
Rubidium, total	7440-17-7	E420	0.00020	mg/L		0.00021	0.00024	0.00021	0.00036	----
Selenium, total	7782-49-2	E420	0.000050	mg/L		<0.000050	<0.000050	<0.000050	<0.000050	----
Silicon, total	7440-21-3	E420	0.10	mg/L		1.08	1.97	1.64	0.94	----
Silver, total	7440-22-4	E420	0.000010	mg/L		0.000017	<0.000010	<0.000010	<0.000010	----
Sodium, total	7440-23-5	E420	0.050	mg/L		1.77	0.957	0.790	1.90	----
Strontium, total	7440-24-6	E420	0.00020	mg/L		0.00302	0.00259	0.00160	0.00400	----
Sulfur, total	7704-34-9	E420	0.50	mg/L		<0.50	<0.50	<0.50	<0.50	----
Tellurium, total	13494-80-9	E420	0.00020	mg/L		<0.00020	<0.00020	<0.00020	<0.00020	----
Thallium, total	7440-28-0	E420	0.000010	mg/L		<0.000010	<0.000010	<0.000010	<0.000010	----
Thorium, total	7440-29-1	E420	0.00010	mg/L		<0.00010	<0.00010	<0.00010	<0.00010	----
Tin, total	7440-31-5	E420	0.00010	mg/L		<0.00010	<0.00010	<0.00010	<0.00010	----
Titanium, total	7440-32-6	E420	0.00030	mg/L		0.0394	0.0715	0.0538	0.0149	----
Tungsten, total	7440-33-7	E420	0.00010	mg/L		<0.00010	0.00026	0.00013	<0.00010	----
Uranium, total	7440-61-1	E420	0.000010	mg/L		<0.000010	<0.000010	<0.000010	<0.000010	----
Vanadium, total	7440-62-2	E420	0.00050	mg/L		0.00422	0.00764	0.00666	0.00425	----
Zinc, total	7440-66-6	E420	0.0030	mg/L		0.0062	0.0120	0.0076	0.0040	----
Zirconium, total	7440-67-7	E420	0.00020	mg/L		<0.00020	0.00040	0.00030	0.00027	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

ALS Canada Ltd.

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QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **YL2300313**	Page	: 1 of 18
Client	: **Agnico-Eagle Mines Limited**	Laboratory	: Yellowknife - Environmental
Contact	: Enviro Data	Account Manager	: Megha Walia
Address	: 280, ave Larivière Rouyn-Noranda QC Canada J9X 4H4	Address	: 314 Old Airport Road, Unit 116 Yellowknife, Northwest Territories Canada X1A 3T3
Telephone	: 1-819-759-3555	Telephone	: +1 867 873 5593
Project	: Madrid Dustfall Snowcore	Date Samples Received	: 21-Apr-2023 09:20
PO	: OL 1250529	Issue Date	: 30-Apr-2023 14:26
C-O-C number	: ----		
Sampler	: TL/WN		
Site	: ----		
Quote number	: Hope Bay – Main Quote		
No. of samples received	: 9		
No. of samples analysed	: 9		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Matrix Spike outliers occur.
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist - please see following pages for full details.

Outliers : Frequency of Quality Control Samples

- No Quality Control Sample Frequency Outliers occur.

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) M-DF05-SNOW	E298	15-Apr-2023	24-Apr-2023	----	----		26-Apr-2023	28 days	11 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) M-DF06-SNOW	E298	15-Apr-2023	24-Apr-2023	----	----		26-Apr-2023	28 days	11 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) M-DF07-SNOW	E298	15-Apr-2023	24-Apr-2023	----	----		26-Apr-2023	28 days	11 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) M-DF08-SNOW	E298	15-Apr-2023	24-Apr-2023	----	----		26-Apr-2023	28 days	11 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) M-DF09-SNOW	E298	15-Apr-2023	24-Apr-2023	----	----		26-Apr-2023	28 days	11 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) M-DF01-SNOW	E298	14-Apr-2023	24-Apr-2023	----	----		26-Apr-2023	28 days	12 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) M-DF02-SNOW	E298	14-Apr-2023	24-Apr-2023	----	----		26-Apr-2023	28 days	12 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) M-DF03-SNOW	E298	14-Apr-2023	24-Apr-2023	----	----		26-Apr-2023	28 days	12 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) M-DF04-SNOW	E298	14-Apr-2023	24-Apr-2023	----	----		26-Apr-2023	28 days	12 days	✓
Anions and Nutrients : Bromide in Water by IC (Low Level)										
HDPE M-DF05-SNOW	E235.Br-L	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	10 days	✓
Anions and Nutrients : Bromide in Water by IC (Low Level)										
HDPE M-DF06-SNOW	E235.Br-L	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	10 days	✓
Anions and Nutrients : Bromide in Water by IC (Low Level)										
HDPE M-DF07-SNOW	E235.Br-L	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	10 days	✓
Anions and Nutrients : Bromide in Water by IC (Low Level)										
HDPE M-DF08-SNOW	E235.Br-L	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	10 days	✓
Anions and Nutrients : Bromide in Water by IC (Low Level)										
HDPE M-DF09-SNOW	E235.Br-L	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	10 days	✓
Anions and Nutrients : Bromide in Water by IC (Low Level)										
HDPE M-DF01-SNOW	E235.Br-L	14-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	11 days	✓
Anions and Nutrients : Bromide in Water by IC (Low Level)										
HDPE M-DF02-SNOW	E235.Br-L	14-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	11 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Bromide in Water by IC (Low Level)										
HDPE										
M-DF03-SNOW	E235.Br-L	14-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	11 days	✓
Anions and Nutrients : Bromide in Water by IC (Low Level)										
HDPE										
M-DF04-SNOW	E235.Br-L	14-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	11 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
M-DF05-SNOW	E235.Cl	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	10 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
M-DF06-SNOW	E235.Cl	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	10 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
M-DF07-SNOW	E235.Cl	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	10 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
M-DF08-SNOW	E235.Cl	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	10 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
M-DF09-SNOW	E235.Cl	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	10 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
M-DF01-SNOW	E235.Cl	14-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	11 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
M-DF02-SNOW	E235.Cl	14-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	11 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Chloride in Water by IC										
HDPE M-DF03-SNOW	E235.Cl	14-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	11 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE M-DF04-SNOW	E235.Cl	14-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	11 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE M-DF05-SNOW	E235.F	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	10 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE M-DF06-SNOW	E235.F	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	10 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE M-DF07-SNOW	E235.F	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	10 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE M-DF08-SNOW	E235.F	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	10 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE M-DF09-SNOW	E235.F	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	10 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE M-DF01-SNOW	E235.F	14-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	11 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE M-DF02-SNOW	E235.F	14-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	11 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Fluoride in Water by IC										
HDPE M-DF03-SNOW	E235.F	14-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	11 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE M-DF04-SNOW	E235.F	14-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	11 days	✓
Anions and Nutrients : Nitrate in Water by IC (Low Level)										
HDPE M-DF05-SNOW	E235.NO3-L	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	10 days	× EHTR-FM
Anions and Nutrients : Nitrate in Water by IC (Low Level)										
HDPE M-DF06-SNOW	E235.NO3-L	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	10 days	× EHTR-FM
Anions and Nutrients : Nitrate in Water by IC (Low Level)										
HDPE M-DF07-SNOW	E235.NO3-L	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	10 days	× EHTR-FM
Anions and Nutrients : Nitrate in Water by IC (Low Level)										
HDPE M-DF08-SNOW	E235.NO3-L	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	10 days	× EHTR-FM
Anions and Nutrients : Nitrate in Water by IC (Low Level)										
HDPE M-DF09-SNOW	E235.NO3-L	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	10 days	× EHTR-FM
Anions and Nutrients : Nitrate in Water by IC (Low Level)										
HDPE M-DF01-SNOW	E235.NO3-L	14-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	11 days	× EHTR-FM
Anions and Nutrients : Nitrate in Water by IC (Low Level)										
HDPE M-DF02-SNOW	E235.NO3-L	14-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	11 days	× EHTR-FM

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Nitrate in Water by IC (Low Level)										
HDPE M-DF03-SNOW	E235.NO3-L	14-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	11 days	× EHTR-FM
Anions and Nutrients : Nitrate in Water by IC (Low Level)										
HDPE M-DF04-SNOW	E235.NO3-L	14-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	11 days	× EHTR-FM
Anions and Nutrients : Nitrite in Water by IC (Low Level)										
HDPE M-DF05-SNOW	E235.NO2-L	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	10 days	× EHTR-FM
Anions and Nutrients : Nitrite in Water by IC (Low Level)										
HDPE M-DF06-SNOW	E235.NO2-L	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	10 days	× EHTR-FM
Anions and Nutrients : Nitrite in Water by IC (Low Level)										
HDPE M-DF07-SNOW	E235.NO2-L	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	10 days	× EHTR-FM
Anions and Nutrients : Nitrite in Water by IC (Low Level)										
HDPE M-DF08-SNOW	E235.NO2-L	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	10 days	× EHTR-FM
Anions and Nutrients : Nitrite in Water by IC (Low Level)										
HDPE M-DF09-SNOW	E235.NO2-L	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	10 days	× EHTR-FM
Anions and Nutrients : Nitrite in Water by IC (Low Level)										
HDPE M-DF01-SNOW	E235.NO2-L	14-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	11 days	× EHTR-FM
Anions and Nutrients : Nitrite in Water by IC (Low Level)										
HDPE M-DF02-SNOW	E235.NO2-L	14-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	11 days	× EHTR-FM

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Nitrite in Water by IC (Low Level)										
HDPE M-DF03-SNOW	E235.NO2-L	14-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	11 days	× EHTR-FM
Anions and Nutrients : Nitrite in Water by IC (Low Level)										
HDPE M-DF04-SNOW	E235.NO2-L	14-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	3 days	11 days	× EHTR-FM
Anions and Nutrients : Sulfate in Water by IC										
HDPE M-DF05-SNOW	E235.SO4	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	10 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE M-DF06-SNOW	E235.SO4	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	10 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE M-DF07-SNOW	E235.SO4	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	10 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE M-DF08-SNOW	E235.SO4	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	10 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE M-DF09-SNOW	E235.SO4	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	10 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE M-DF01-SNOW	E235.SO4	14-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	11 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE M-DF02-SNOW	E235.SO4	14-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	11 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE M-DF03-SNOW	E235.SO4	14-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	11 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE M-DF04-SNOW	E235.SO4	14-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	28 days	11 days	✓
Physical Tests : TDS by Gravimetry										
HDPE M-DF01-SNOW	E162	14-Apr-2023	----	----	----		24-Apr-2023	7 days	10 days	× EHTL
Physical Tests : TDS by Gravimetry										
HDPE M-DF02-SNOW	E162	14-Apr-2023	----	----	----		24-Apr-2023	7 days	10 days	× EHTL
Physical Tests : TDS by Gravimetry										
HDPE M-DF03-SNOW	E162	14-Apr-2023	----	----	----		24-Apr-2023	7 days	10 days	× EHTL
Physical Tests : TDS by Gravimetry										
HDPE M-DF04-SNOW	E162	14-Apr-2023	----	----	----		24-Apr-2023	7 days	10 days	× EHTL
Physical Tests : TDS by Gravimetry										
HDPE M-DF05-SNOW	E162	15-Apr-2023	----	----	----		24-Apr-2023	7 days	9 days	× EHT
Physical Tests : TDS by Gravimetry										
HDPE M-DF06-SNOW	E162	15-Apr-2023	----	----	----		24-Apr-2023	7 days	9 days	× EHT
Physical Tests : TDS by Gravimetry										
HDPE M-DF07-SNOW	E162	15-Apr-2023	----	----	----		24-Apr-2023	7 days	9 days	× EHT

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : TDS by Gravimetry										
HDPE M-DF08-SNOW	E162	15-Apr-2023	----	----	----		24-Apr-2023	7 days	9 days	× EHT
Physical Tests : TDS by Gravimetry										
HDPE M-DF09-SNOW	E162	15-Apr-2023	----	----	----		24-Apr-2023	7 days	9 days	× EHT
Physical Tests : TSS by Gravimetry										
HDPE M-DF01-SNOW	E160	14-Apr-2023	----	----	----		24-Apr-2023	7 days	10 days	× EHTL
Physical Tests : TSS by Gravimetry										
HDPE M-DF02-SNOW	E160	14-Apr-2023	----	----	----		24-Apr-2023	7 days	10 days	× EHTL
Physical Tests : TSS by Gravimetry										
HDPE M-DF03-SNOW	E160	14-Apr-2023	----	----	----		24-Apr-2023	7 days	10 days	× EHTL
Physical Tests : TSS by Gravimetry										
HDPE M-DF04-SNOW	E160	14-Apr-2023	----	----	----		24-Apr-2023	7 days	10 days	× EHTL
Physical Tests : TSS by Gravimetry										
HDPE M-DF05-SNOW	E160	15-Apr-2023	----	----	----		24-Apr-2023	7 days	9 days	× EHT
Physical Tests : TSS by Gravimetry										
HDPE M-DF06-SNOW	E160	15-Apr-2023	----	----	----		24-Apr-2023	7 days	9 days	× EHT
Physical Tests : TSS by Gravimetry										
HDPE M-DF07-SNOW	E160	15-Apr-2023	----	----	----		24-Apr-2023	7 days	9 days	× EHT

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : TSS by Gravimetry										
HDPE M-DF08-SNOW	E160	15-Apr-2023	----	----	----		24-Apr-2023	7 days	9 days	× EHT
Physical Tests : TSS by Gravimetry										
HDPE M-DF09-SNOW	E160	15-Apr-2023	----	----	----		24-Apr-2023	7 days	9 days	× EHT
Total Metals : Total Mercury in Water by CVAAS										
HDPE - total (lab preserved) M-DF03-SNOW	E508	14-Apr-2023	26-Apr-2023	0.02 hrs	5 hrs	× EHTR-FM	26-Apr-2023	-276.65 hrs	0.02 hrs	× EHTR-FM
Total Metals : Total Mercury in Water by CVAAS										
Glass vial - total (lab preserved) M-DF05-SNOW	E508	15-Apr-2023	26-Apr-2023	----	----		26-Apr-2023	28 days	11 days	✓
Total Metals : Total Mercury in Water by CVAAS										
Glass vial - total (lab preserved) M-DF06-SNOW	E508	15-Apr-2023	26-Apr-2023	----	----		26-Apr-2023	28 days	11 days	✓
Total Metals : Total Mercury in Water by CVAAS										
Glass vial - total (lab preserved) M-DF07-SNOW	E508	15-Apr-2023	26-Apr-2023	----	----		26-Apr-2023	28 days	11 days	✓
Total Metals : Total Mercury in Water by CVAAS										
Glass vial - total (lab preserved) M-DF08-SNOW	E508	15-Apr-2023	26-Apr-2023	----	----		26-Apr-2023	28 days	11 days	✓
Total Metals : Total Mercury in Water by CVAAS										
Glass vial - total (lab preserved) M-DF09-SNOW	E508	15-Apr-2023	26-Apr-2023	----	----		26-Apr-2023	28 days	11 days	✓
Total Metals : Total Mercury in Water by CVAAS										
Glass vial - total (lab preserved) M-DF01-SNOW	E508	14-Apr-2023	26-Apr-2023	----	----		26-Apr-2023	28 days	12 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Total Metals : Total Mercury in Water by CVAAS										
Glass vial - total (lab preserved) M-DF02-SNOW	E508	14-Apr-2023	26-Apr-2023	----	----		26-Apr-2023	28 days	12 days	✓
Total Metals : Total Mercury in Water by CVAAS										
Glass vial - total (lab preserved) M-DF04-SNOW	E508	14-Apr-2023	26-Apr-2023	----	----		26-Apr-2023	28 days	12 days	✓
Total Metals : Total metals in Water by CRC ICPMS										
HDPE - total (lab preserved) M-DF05-SNOW	E420	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	180 days	10 days	✓
Total Metals : Total metals in Water by CRC ICPMS										
HDPE - total (lab preserved) M-DF06-SNOW	E420	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	180 days	10 days	✓
Total Metals : Total metals in Water by CRC ICPMS										
HDPE - total (lab preserved) M-DF07-SNOW	E420	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	180 days	10 days	✓
Total Metals : Total metals in Water by CRC ICPMS										
HDPE - total (lab preserved) M-DF08-SNOW	E420	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	180 days	10 days	✓
Total Metals : Total metals in Water by CRC ICPMS										
HDPE - total (lab preserved) M-DF09-SNOW	E420	15-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	180 days	10 days	✓
Total Metals : Total metals in Water by CRC ICPMS										
HDPE - total (lab preserved) M-DF01-SNOW	E420	14-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	180 days	11 days	✓
Total Metals : Total metals in Water by CRC ICPMS										
HDPE - total (lab preserved) M-DF02-SNOW	E420	14-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	180 days	11 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Total Metals : Total metals in Water by CRC ICPMS										
HDPE - total (lab preserved)										
M-DF03-SNOW	E420	14-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	180 days	11 days	✓
Total Metals : Total metals in Water by CRC ICPMS										
HDPE - total (lab preserved)										
M-DF04-SNOW	E420	14-Apr-2023	25-Apr-2023	----	----		25-Apr-2023	180 days	11 days	✓

Legend & Qualifier Definitions

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended

EHTL: Exceeded ALS recommended hold time prior to analysis. Sample was received less than 24 hours prior to expiry.

EHT: Exceeded ALS recommended hold time prior to analysis.

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Water**

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Laboratory Duplicates (DUP)							
Ammonia by Fluorescence	E298	908935	1	19	5.2	5.0	✓
Bromide in Water by IC (Low Level)	E235.Br-L	910559	1	19	5.2	5.0	✓
Chloride in Water by IC	E235.Cl	910558	1	19	5.2	5.0	✓
Fluoride in Water by IC	E235.F	910557	1	19	5.2	5.0	✓
Nitrate in Water by IC (Low Level)	E235.NO3-L	910560	1	19	5.2	5.0	✓
Nitrite in Water by IC (Low Level)	E235.NO2-L	910561	1	19	5.2	5.0	✓
Sulfate in Water by IC	E235.SO4	910562	1	19	5.2	5.0	✓
TDS by Gravimetry	E162	908739	1	20	5.0	5.0	✓
Total Mercury in Water by CVAAS	E508	910952	2	28	7.1	5.0	✓
Total metals in Water by CRC ICPMS	E420	908792	1	20	5.0	5.0	✓
TSS by Gravimetry	E160	908736	1	20	5.0	5.0	✓
Laboratory Control Samples (LCS)							
Ammonia by Fluorescence	E298	908935	1	19	5.2	5.0	✓
Bromide in Water by IC (Low Level)	E235.Br-L	910559	1	19	5.2	5.0	✓
Chloride in Water by IC	E235.Cl	910558	1	19	5.2	5.0	✓
Fluoride in Water by IC	E235.F	910557	1	19	5.2	5.0	✓
Nitrate in Water by IC (Low Level)	E235.NO3-L	910560	1	19	5.2	5.0	✓
Nitrite in Water by IC (Low Level)	E235.NO2-L	910561	1	19	5.2	5.0	✓
Sulfate in Water by IC	E235.SO4	910562	1	19	5.2	5.0	✓
TDS by Gravimetry	E162	908739	1	20	5.0	5.0	✓
Total Mercury in Water by CVAAS	E508	910952	2	28	7.1	5.0	✓
Total metals in Water by CRC ICPMS	E420	908792	1	20	5.0	5.0	✓
TSS by Gravimetry	E160	908736	1	20	5.0	5.0	✓
Method Blanks (MB)							
Ammonia by Fluorescence	E298	908935	1	19	5.2	5.0	✓
Bromide in Water by IC (Low Level)	E235.Br-L	910559	1	19	5.2	5.0	✓
Chloride in Water by IC	E235.Cl	910558	1	19	5.2	5.0	✓
Fluoride in Water by IC	E235.F	910557	1	19	5.2	5.0	✓
Nitrate in Water by IC (Low Level)	E235.NO3-L	910560	1	19	5.2	5.0	✓
Nitrite in Water by IC (Low Level)	E235.NO2-L	910561	1	19	5.2	5.0	✓
Sulfate in Water by IC	E235.SO4	910562	1	19	5.2	5.0	✓
TDS by Gravimetry	E162	908739	1	20	5.0	5.0	✓
Total Mercury in Water by CVAAS	E508	910952	2	28	7.1	5.0	✓
Total metals in Water by CRC ICPMS	E420	908792	1	20	5.0	5.0	✓
TSS by Gravimetry	E160	908736	1	20	5.0	5.0	✓

Matrix: **Water**

Evaluation: × = *QC frequency outside specification*; ✓ = *QC frequency within specification.*

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Matrix Spikes (MS)							
Ammonia by Fluorescence	E298	908935	1	19	5.2	5.0	✓
Bromide in Water by IC (Low Level)	E235.Br-L	910559	1	19	5.2	5.0	✓
Chloride in Water by IC	E235.Cl	910558	1	19	5.2	5.0	✓
Fluoride in Water by IC	E235.F	910557	1	19	5.2	5.0	✓
Nitrate in Water by IC (Low Level)	E235.NO3-L	910560	1	19	5.2	5.0	✓
Nitrite in Water by IC (Low Level)	E235.NO2-L	910561	1	19	5.2	5.0	✓
Sulfate in Water by IC	E235.SO4	910562	1	19	5.2	5.0	✓
Total Mercury in Water by CVAAS	E508	910952	2	28	7.1	5.0	✓
Total metals in Water by CRC ICPMS	E420	908792	1	20	5.0	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
TSS by Gravimetry	E160 Vancouver - Environmental	Water	APHA 2540 D (mod)	Total Suspended Solids (TSS) are determined by filtering a sample through a glass fibre filter, following by drying of the filter at 104 ± 1°C, with gravimetric measurement of the filtered solids. Samples containing very high dissolved solid content (i.e. seawaters, brackish waters) may produce a positive bias by this method. Alternate analysis methods are available for these types of samples.
TDS by Gravimetry	E162 Vancouver - Environmental	Water	APHA 2540 C (mod)	Total Dissolved Solids (TDS) are determined by filtering a sample through a glass fibre filter, with evaporation of the filtrate at 180 ± 2°C for 16 hours or to constant weight, with gravimetric measurement of the residue.
Bromide in Water by IC (Low Level)	E235.Br-L Vancouver - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Chloride in Water by IC	E235.Cl Vancouver - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Fluoride in Water by IC	E235.F Vancouver - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrite in Water by IC (Low Level)	E235.NO2-L Vancouver - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrate in Water by IC (Low Level)	E235.NO3-L Vancouver - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Sulfate in Water by IC	E235.SO4 Vancouver - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Ammonia by Fluorescence	E298 Vancouver - Environmental	Water	Method Fialab 100, 2018	Ammonia in water is determined by automated continuous flow analysis with membrane diffusion and fluorescence detection, after reaction with OPA (ortho-phthalaldehyde). This method is approved under US EPA 40 CFR Part 136 (May 2021)

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Total metals in Water by CRC ICPMS	E420 Vancouver - Environmental	Water	EPA 200.2/6020B (mod)	Water samples are digested with nitric and hydrochloric acids, and analyzed by Collision/Reaction Cell ICPMS. Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.
Total Mercury in Water by CVAAS	E508 Vancouver - Environmental	Water	EPA 1631E (mod)	Water samples undergo a cold-oxidation using bromine monochloride prior to reduction with stannous chloride, and analyzed by CVAAS
Hardness (Calculated) from Total Ca/Mg	EC100A Vancouver - Environmental	Water	APHA 2340B	"Hardness (as CaCO3), from total Ca/Mg" is calculated from the sum of total Calcium and Magnesium concentrations, expressed in $CaCO_3$ equivalents. "Total Hardness" refers to the sum of Calcium and Magnesium Hardness. Hardness is normally or preferentially calculated from dissolved Calcium and Magnesium concentrations, because it is a property of water due to dissolved divalent cations. Hardness from total Ca/Mg is normally comparable to Dissolved Hardness in non-turbid waters.

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Preparation for Ammonia	EP298 Vancouver - Environmental	Water		Sample preparation for Preserved Nutrients Water Quality Analysis.

QUALITY CONTROL REPORT

Work Order	: **YL2300313**	Page	: 1 of 10
Client	: Agnico-Eagle Mines Limited	Laboratory	: Yellowknife - Environmental
Contact	: Enviro Data	Account Manager	: Megha Walia
Address	: 280, ave Larivière Rouyn-Noranda QC Canada J9X 4H4	Address	: 314 Old Airport Road, Unit 116 Yellowknife, Northwest Territories Canada X1A 3T3
Telephone	:	Telephone	: +1 867 873 5593
Project	: Madrid Dustfall Snowcore	Date Samples Received	: 21-Apr-2023 09:20
PO	: OL 1250529	Date Analysis Commenced	: 24-Apr-2023
C-O-C number	: ----	Issue Date	: 30-Apr-2023 14:26
Sampler	: TL/WN 1-819-759-3555		
Site	: ----		
Quote number	: Hope Bay – Main Quote		
No. of samples received	: 9		
No. of samples analysed	: 9		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percent Difference (RPD) and Data Quality Objectives
- Matrix Spike (MS) Report; Recovery and Data Quality Objectives
- Method Blank (MB) Report; Recovery and Data Quality Objectives
- Laboratory Control Sample (LCS) Report; Recovery and Data Quality Objectives

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Alex Thornton	Analyst	Vancouver Metals, Burnaby, British Columbia
Kevin Duarte	Supervisor - Metals ICP Instrumentation	Vancouver Metals, Burnaby, British Columbia
Kim Jensen	Department Manager - Metals	Vancouver Inorganics, Burnaby, British Columbia

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number = Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO = Data Quality Objective.
LOR = Limit of Reporting (detection limit).
RPD = Relative Percent Difference
# = Indicates a QC result that did not meet the ALS DQO.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test-specific).

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
Physical Tests (QC Lot: 908736)											
VA23A8303-001	Anonymous	Solids, total suspended [TSS]	----	E160	3.0	mg/L	<3.0	<3.0	0	Diff <2x LOR	----
Physical Tests (QC Lot: 908739)											
VA23A8303-001	Anonymous	Solids, total dissolved [TDS]	----	E162	13	mg/L	117	115	2	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 908935)											
YL2300312-001	Anonymous	Ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L	0.0234	0.0226	0.0008	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 910557)											
YL2300312-001	Anonymous	Fluoride	16984-48-8	E235.F	0.020	mg/L	<0.020	<0.020	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 910558)											
YL2300312-001	Anonymous	Chloride	16887-00-6	E235.Cl	0.50	mg/L	2.88	2.87	0.010	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 910559)											
YL2300312-001	Anonymous	Bromide	24959-67-9	E235.Br-L	0.050	mg/L	<0.050	<0.050	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 910560)											
YL2300312-001	Anonymous	Nitrate (as N)	14797-55-8	E235.NO3-L	0.0050	mg/L	0.0486	0.0480	0.0005	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 910561)											
YL2300312-001	Anonymous	Nitrite (as N)	14797-65-0	E235.NO2-L	0.0010	mg/L	<0.0010	<0.0010	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 910562)											
YL2300312-001	Anonymous	Sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L	0.42	0.36	0.06	Diff <2x LOR	----
Total Metals (QC Lot: 908792)											
KS2301257-001	Anonymous	Aluminum, total	7429-90-5	E420	0.0100	mg/L	<0.0100	<0.0100	0	Diff <2x LOR	----
		Antimony, total	7440-36-0	E420	0.00050	mg/L	<0.00050	<0.00050	0	Diff <2x LOR	----
		Arsenic, total	7440-38-2	E420	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		Barium, total	7440-39-3	E420	0.0200	mg/L	<0.0200	<0.0200	0	Diff <2x LOR	----
		Beryllium, total	7440-41-7	E420	0.000040	mg/L	<0.000040	<0.000040	0	Diff <2x LOR	----
		Bismuth, total	7440-69-9	E420	0.000100	mg/L	<0.000100	<0.000100	0	Diff <2x LOR	----
		Boron, total	7440-42-8	E420	0.100	mg/L	0.293	0.312	0.019	Diff <2x LOR	----
		Cadmium, total	7440-43-9	E420	0.000200	mg/L	<0.000200	<0.000200	0	Diff <2x LOR	----
		Calcium, total	7440-70-2	E420	0.100	mg/L	403	407	0.949%	20%	----
		Cesium, total	7440-46-2	E420	0.000020	mg/L	<0.000020	<0.000020	0	Diff <2x LOR	----
		Chromium, total	7440-47-3	E420	0.00200	mg/L	<0.00200	<0.00200	0	Diff <2x LOR	----
		Cobalt, total	7440-48-4	E420	0.00020	mg/L	0.00034	0.00033	0.000008	Diff <2x LOR	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Total Metals (QC Lot: 908792) - continued											
KS2301257-001	Anonymous	Copper, total	7440-50-8	E420	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		Iron, total	7439-89-6	E420	0.030	mg/L	3.93	4.22	7.05%	20%	----
		Lead, total	7439-92-1	E420	0.000500	mg/L	<0.000500	<0.000500	0	Diff <2x LOR	----
		Lithium, total	7439-93-2	E420	0.0020	mg/L	0.0052	0.0054	0.0002	Diff <2x LOR	----
		Magnesium, total	7439-95-4	E420	0.100	mg/L	47.1	48.0	1.68%	20%	----
		Manganese, total	7439-96-5	E420	0.00200	mg/L	0.271	0.276	1.63%	20%	----
		Molybdenum, total	7439-98-7	E420	0.000100	mg/L	0.00185	0.00191	3.42%	20%	----
		Nickel, total	7440-02-0	E420	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		Phosphorus, total	7723-14-0	E420	0.100	mg/L	<0.100	<0.100	0	Diff <2x LOR	----
		Potassium, total	7440-09-7	E420	0.100	mg/L	12.9	13.1	1.38%	20%	----
		Rubidium, total	7440-17-7	E420	0.00040	mg/L	0.00766	0.00803	4.68%	20%	----
		Selenium, total	7782-49-2	E420	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		Silicon, total	7440-21-3	E420	0.20	mg/L	7.86	8.21	4.41%	20%	----
		Silver, total	7440-22-4	E420	0.000020	mg/L	<0.000020	<0.000020	0	Diff <2x LOR	----
		Sodium, total	7440-23-5	E420	2.00	mg/L	134	136	1.24%	20%	----
		Strontium, total	7440-24-6	E420	0.00040	mg/L	3.08	3.16	2.32%	20%	----
		Sulfur, total	7704-34-9	E420	1.00	mg/L	479	479	0.0244%	20%	----
		Tellurium, total	13494-80-9	E420	0.00040	mg/L	<0.00040	<0.00040	0	Diff <2x LOR	----
		Thallium, total	7440-28-0	E420	0.000020	mg/L	<0.000020	<0.000020	0	Diff <2x LOR	----
		Thorium, total	7440-29-1	E420	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		Tin, total	7440-31-5	E420	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		Titanium, total	7440-32-6	E420	0.00060	mg/L	<0.00060	<0.00060	0	Diff <2x LOR	----
		Tungsten, total	7440-33-7	E420	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		Uranium, total	7440-61-1	E420	0.000100	mg/L	<0.000100	<0.000100	0	Diff <2x LOR	----
		Vanadium, total	7440-62-2	E420	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		Zinc, total	7440-66-6	E420	0.0500	mg/L	<0.0500	<0.0500	0	Diff <2x LOR	----
		Zirconium, total	7440-67-7	E420	0.00040	mg/L	<0.00040	<0.00040	0	Diff <2x LOR	----
Total Metals (QC Lot: 910951)											
VA23A8582-020	Anonymous	Mercury, total	7439-97-6	E508	0.0000050	mg/L	<0.0000050	0.0000054	0.0000004	Diff <2x LOR	----
Total Metals (QC Lot: 910952)											
YL2300313-002	M-DF02-SNOW	Mercury, total	7439-97-6	E508	0.0000050	mg/L	<0.0000050	<0.0000050	0	Diff <2x LOR	----

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 908736)						
Solids, total suspended [TSS]	----	E160	3	mg/L	<3.0	----
Physical Tests (QCLot: 908739)						
Solids, total dissolved [TDS]	----	E162	10	mg/L	<10	----
Anions and Nutrients (QCLot: 908935)						
Ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	<0.0050	----
Anions and Nutrients (QCLot: 910557)						
Fluoride	16984-48-8	E235.F	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 910558)						
Chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	----
Anions and Nutrients (QCLot: 910559)						
Bromide	24959-67-9	E235.Br-L	0.05	mg/L	<0.050	----
Anions and Nutrients (QCLot: 910560)						
Nitrate (as N)	14797-55-8	E235.NO3-L	0.005	mg/L	<0.0050	----
Anions and Nutrients (QCLot: 910561)						
Nitrite (as N)	14797-65-0	E235.NO2-L	0.001	mg/L	<0.0010	----
Anions and Nutrients (QCLot: 910562)						
Sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Total Metals (QCLot: 908792)						
Aluminum, total	7429-90-5	E420	0.003	mg/L	<0.0030	----
Antimony, total	7440-36-0	E420	0.0001	mg/L	<0.00010	----
Arsenic, total	7440-38-2	E420	0.0001	mg/L	<0.00010	----
Barium, total	7440-39-3	E420	0.0001	mg/L	<0.00010	----
Beryllium, total	7440-41-7	E420	0.00002	mg/L	<0.000020	----
Bismuth, total	7440-69-9	E420	0.00005	mg/L	<0.000050	----
Boron, total	7440-42-8	E420	0.01	mg/L	<0.010	----
Cadmium, total	7440-43-9	E420	0.000005	mg/L	<0.0000050	----
Calcium, total	7440-70-2	E420	0.05	mg/L	<0.050	----
Cesium, total	7440-46-2	E420	0.00001	mg/L	<0.000010	----
Chromium, total	7440-47-3	E420	0.0005	mg/L	<0.00050	----
Cobalt, total	7440-48-4	E420	0.0001	mg/L	<0.00010	----
Copper, total	7440-50-8	E420	0.0005	mg/L	<0.00050	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Total Metals (QCLot: 908792) - continued						
Iron, total	7439-89-6	E420	0.01	mg/L	<0.010	----
Lead, total	7439-92-1	E420	0.00005	mg/L	<0.000050	----
Lithium, total	7439-93-2	E420	0.001	mg/L	<0.0010	----
Magnesium, total	7439-95-4	E420	0.005	mg/L	<0.0050	----
Manganese, total	7439-96-5	E420	0.0001	mg/L	<0.00010	----
Molybdenum, total	7439-98-7	E420	0.00005	mg/L	<0.000050	----
Nickel, total	7440-02-0	E420	0.0005	mg/L	<0.00050	----
Phosphorus, total	7723-14-0	E420	0.05	mg/L	<0.050	----
Potassium, total	7440-09-7	E420	0.05	mg/L	<0.050	----
Rubidium, total	7440-17-7	E420	0.0002	mg/L	<0.00020	----
Selenium, total	7782-49-2	E420	0.00005	mg/L	<0.000050	----
Silicon, total	7440-21-3	E420	0.1	mg/L	<0.10	----
Silver, total	7440-22-4	E420	0.00001	mg/L	<0.000010	----
Sodium, total	7440-23-5	E420	0.05	mg/L	<0.050	----
Strontium, total	7440-24-6	E420	0.0002	mg/L	<0.00020	----
Sulfur, total	7704-34-9	E420	0.5	mg/L	<0.50	----
Tellurium, total	13494-80-9	E420	0.0002	mg/L	<0.00020	----
Thallium, total	7440-28-0	E420	0.00001	mg/L	<0.000010	----
Thorium, total	7440-29-1	E420	0.0001	mg/L	<0.00010	----
Tin, total	7440-31-5	E420	0.0001	mg/L	<0.00010	----
Titanium, total	7440-32-6	E420	0.0003	mg/L	<0.00030	----
Tungsten, total	7440-33-7	E420	0.0001	mg/L	<0.00010	----
Uranium, total	7440-61-1	E420	0.00001	mg/L	<0.000010	----
Vanadium, total	7440-62-2	E420	0.0005	mg/L	<0.00050	----
Zinc, total	7440-66-6	E420	0.003	mg/L	<0.0030	----
Zirconium, total	7440-67-7	E420	0.0002	mg/L	<0.00020	----
Total Metals (QCLot: 910951)						
Mercury, total	7439-97-6	E508	0.000005	mg/L	<0.0000050	----
Total Metals (QCLot: 910952)						
Mercury, total	7439-97-6	E508	0.000005	mg/L	<0.0000050	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 908736)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	86.7	85.0	115	----
Physical Tests (QCLot: 908739)									
Solids, total dissolved [TDS]	----	E162	10	mg/L	1000 mg/L	101	85.0	115	----
Anions and Nutrients (QCLot: 908935)									
Ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	0.2 mg/L	90.7	85.0	115	----
Anions and Nutrients (QCLot: 910557)									
Fluoride	16984-48-8	E235.F	0.02	mg/L	1 mg/L	103	90.0	110	----
Anions and Nutrients (QCLot: 910558)									
Chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	99.5	90.0	110	----
Anions and Nutrients (QCLot: 910559)									
Bromide	24959-67-9	E235.Br-L	0.05	mg/L	0.5 mg/L	93.4	85.0	115	----
Anions and Nutrients (QCLot: 910560)									
Nitrate (as N)	14797-55-8	E235.NO3-L	0.005	mg/L	2.5 mg/L	101	90.0	110	----
Anions and Nutrients (QCLot: 910561)									
Nitrite (as N)	14797-65-0	E235.NO2-L	0.001	mg/L	0.5 mg/L	98.5	90.0	110	----
Anions and Nutrients (QCLot: 910562)									
Sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	100	90.0	110	----
Total Metals (QCLot: 908792)									
Aluminum, total	7429-90-5	E420	0.003	mg/L	2 mg/L	94.7	80.0	120	----
Antimony, total	7440-36-0	E420	0.0001	mg/L	1 mg/L	106	80.0	120	----
Arsenic, total	7440-38-2	E420	0.0001	mg/L	1 mg/L	96.9	80.0	120	----
Barium, total	7440-39-3	E420	0.0001	mg/L	0.25 mg/L	96.3	80.0	120	----
Beryllium, total	7440-41-7	E420	0.00002	mg/L	0.1 mg/L	95.1	80.0	120	----
Bismuth, total	7440-69-9	E420	0.00005	mg/L	1 mg/L	92.4	80.0	120	----
Boron, total	7440-42-8	E420	0.01	mg/L	1 mg/L	99.3	80.0	120	----
Cadmium, total	7440-43-9	E420	0.000005	mg/L	0.1 mg/L	100	80.0	120	----
Calcium, total	7440-70-2	E420	0.05	mg/L	50 mg/L	96.9	80.0	120	----
Cesium, total	7440-46-2	E420	0.00001	mg/L	0.05 mg/L	101	80.0	120	----
Chromium, total	7440-47-3	E420	0.0005	mg/L	0.25 mg/L	94.4	80.0	120	----
Cobalt, total	7440-48-4	E420	0.0001	mg/L	0.25 mg/L	98.4	80.0	120	----

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Total Metals (QCLot: 908792) - continued									
Copper, total	7440-50-8	E420	0.0005	mg/L	0.25 mg/L	95.4	80.0	120	----
Iron, total	7439-89-6	E420	0.01	mg/L	1 mg/L	100	80.0	120	----
Lead, total	7439-92-1	E420	0.00005	mg/L	0.5 mg/L	97.7	80.0	120	----
Lithium, total	7439-93-2	E420	0.001	mg/L	0.25 mg/L	96.1	80.0	120	----
Magnesium, total	7439-95-4	E420	0.005	mg/L	50 mg/L	104	80.0	120	----
Manganese, total	7439-96-5	E420	0.0001	mg/L	0.25 mg/L	96.1	80.0	120	----
Molybdenum, total	7439-98-7	E420	0.00005	mg/L	0.25 mg/L	99.4	80.0	120	----
Nickel, total	7440-02-0	E420	0.0005	mg/L	0.5 mg/L	97.0	80.0	120	----
Phosphorus, total	7723-14-0	E420	0.05	mg/L	10 mg/L	92.4	80.0	120	----
Potassium, total	7440-09-7	E420	0.05	mg/L	50 mg/L	98.0	80.0	120	----
Rubidium, total	7440-17-7	E420	0.0002	mg/L	0.1 mg/L	97.1	80.0	120	----
Selenium, total	7782-49-2	E420	0.00005	mg/L	1 mg/L	105	80.0	120	----
Silicon, total	7440-21-3	E420	0.1	mg/L	10 mg/L	99.4	80.0	120	----
Silver, total	7440-22-4	E420	0.00001	mg/L	0.1 mg/L	98.2	80.0	120	----
Sodium, total	7440-23-5	E420	0.05	mg/L	50 mg/L	102	80.0	120	----
Strontium, total	7440-24-6	E420	0.0002	mg/L	0.25 mg/L	106	80.0	120	----
Sulfur, total	7704-34-9	E420	0.5	mg/L	50 mg/L	97.3	80.0	120	----
Tellurium, total	13494-80-9	E420	0.0002	mg/L	0.1 mg/L	100	80.0	120	----
Thallium, total	7440-28-0	E420	0.00001	mg/L	1 mg/L	97.6	80.0	120	----
Thorium, total	7440-29-1	E420	0.0001	mg/L	0.1 mg/L	90.6	80.0	120	----
Tin, total	7440-31-5	E420	0.0001	mg/L	0.5 mg/L	97.0	80.0	120	----
Titanium, total	7440-32-6	E420	0.0003	mg/L	0.25 mg/L	92.8	80.0	120	----
Tungsten, total	7440-33-7	E420	0.0001	mg/L	0.1 mg/L	94.4	80.0	120	----
Uranium, total	7440-61-1	E420	0.00001	mg/L	0.005 mg/L	94.2	80.0	120	----
Vanadium, total	7440-62-2	E420	0.0005	mg/L	0.5 mg/L	96.7	80.0	120	----
Zinc, total	7440-66-6	E420	0.003	mg/L	0.5 mg/L	93.0	80.0	120	----
Zirconium, total	7440-67-7	E420	0.0002	mg/L	0.1 mg/L	96.1	80.0	120	----
Total Metals (QCLot: 910951)									
Mercury, total	7439-97-6	E508	0.000005	mg/L	0.0001 mg/L	95.4	80.0	120	----
Total Metals (QCLot: 910952)									
Mercury, total	7439-97-6	E508	0.000005	mg/L	0.0001 mg/L	94.4	80.0	120	----

Matrix Spike (MS) Report

A Matrix Spike (MS) is a randomly selected intra-laboratory replicate sample that has been fortified (spiked) with test analytes at known concentration, and processed in an identical manner to test samples. Matrix Spikes provide information regarding analyte recovery and potential matrix effects. MS DQO exceedances due to sample matrix may sometimes be unavoidable; in such cases, test results for the associated sample (or similar samples) may be subject to bias. ND – Recovery not determined, background level >= 1x spike level.

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Anions and Nutrients (QCLot: 908935)										
YL2300312-002	Anonymous	Ammonia, total (as N)	7664-41-7	E298	0.0911 mg/L	0.1 mg/L	91.1	75.0	125	----
Anions and Nutrients (QCLot: 910557)										
YL2300312-002	Anonymous	Fluoride	16984-48-8	E235.F	1.06 mg/L	1 mg/L	106	75.0	125	----
Anions and Nutrients (QCLot: 910558)										
YL2300312-002	Anonymous	Chloride	16887-00-6	E235.Cl	104 mg/L	100 mg/L	104	75.0	125	----
Anions and Nutrients (QCLot: 910559)										
YL2300312-002	Anonymous	Bromide	24959-67-9	E235.Br-L	0.508 mg/L	0.5 mg/L	102	75.0	125	----
Anions and Nutrients (QCLot: 910560)										
YL2300312-002	Anonymous	Nitrate (as N)	14797-55-8	E235.NO3-L	2.62 mg/L	2.5 mg/L	105	75.0	125	----
Anions and Nutrients (QCLot: 910561)										
YL2300312-002	Anonymous	Nitrite (as N)	14797-65-0	E235.NO2-L	0.516 mg/L	0.5 mg/L	103	75.0	125	----
Anions and Nutrients (QCLot: 910562)										
YL2300312-002	Anonymous	Sulfate (as SO4)	14808-79-8	E235.SO4	104 mg/L	100 mg/L	104	75.0	125	----
Total Metals (QCLot: 908792)										
YL2300312-001	Anonymous	Aluminum, total	7429-90-5	E420	ND mg/L	0.2 mg/L	ND	70.0	130	----
		Antimony, total	7440-36-0	E420	0.0187 mg/L	0.02 mg/L	93.4	70.0	130	----
		Arsenic, total	7440-38-2	E420	0.0186 mg/L	0.02 mg/L	93.0	70.0	130	----
		Barium, total	7440-39-3	E420	0.0194 mg/L	0.02 mg/L	96.9	70.0	130	----
		Beryllium, total	7440-41-7	E420	0.0366 mg/L	0.04 mg/L	91.6	70.0	130	----
		Bismuth, total	7440-69-9	E420	0.00894 mg/L	0.01 mg/L	89.4	70.0	130	----
		Boron, total	7440-42-8	E420	0.095 mg/L	0.1 mg/L	94.9	70.0	130	----
		Cadmium, total	7440-43-9	E420	0.00382 mg/L	0.004 mg/L	95.5	70.0	130	----
		Calcium, total	7440-70-2	E420	3.62 mg/L	4 mg/L	90.6	70.0	130	----
		Cesium, total	7440-46-2	E420	0.00959 mg/L	0.01 mg/L	95.9	70.0	130	----
		Chromium, total	7440-47-3	E420	0.0368 mg/L	0.04 mg/L	92.0	70.0	130	----
		Cobalt, total	7440-48-4	E420	0.0190 mg/L	0.02 mg/L	95.0	70.0	130	----
		Copper, total	7440-50-8	E420	0.0182 mg/L	0.02 mg/L	91.3	70.0	130	----
		Iron, total	7439-89-6	E420	1.87 mg/L	2 mg/L	93.4	70.0	130	----
		Lead, total	7439-92-1	E420	0.0180 mg/L	0.02 mg/L	90.0	70.0	130	----

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Total Metals (QCLot: 908792) - continued										
YL2300312-001	Anonymous	Lithium, total	7439-93-2	E420	0.0909 mg/L	0.1 mg/L	90.9	70.0	130	----
		Magnesium, total	7439-95-4	E420	0.931 mg/L	1 mg/L	93.1	70.0	130	----
		Manganese, total	7439-96-5	E420	ND mg/L	0.02 mg/L	ND	70.0	130	----
		Molybdenum, total	7439-98-7	E420	0.0187 mg/L	0.02 mg/L	93.4	70.0	130	----
		Nickel, total	7440-02-0	E420	0.0371 mg/L	0.04 mg/L	92.8	70.0	130	----
		Phosphorus, total	7723-14-0	E420	9.02 mg/L	10 mg/L	90.2	70.0	130	----
		Potassium, total	7440-09-7	E420	3.77 mg/L	4 mg/L	94.3	70.0	130	----
		Rubidium, total	7440-17-7	E420	0.0188 mg/L	0.02 mg/L	94.0	70.0	130	----
		Selenium, total	7782-49-2	E420	0.0391 mg/L	0.04 mg/L	97.7	70.0	130	----
		Silicon, total	7440-21-3	E420	9.34 mg/L	10 mg/L	93.4	70.0	130	----
		Silver, total	7440-22-4	E420	0.00385 mg/L	0.004 mg/L	96.3	70.0	130	----
		Sodium, total	7440-23-5	E420	1.81 mg/L	2 mg/L	90.7	70.0	130	----
		Strontium, total	7440-24-6	E420	0.0193 mg/L	0.02 mg/L	96.6	70.0	130	----
		Sulfur, total	7704-34-9	E420	17.9 mg/L	20 mg/L	89.5	70.0	130	----
		Tellurium, total	13494-80-9	E420	0.0381 mg/L	0.04 mg/L	95.2	70.0	130	----
		Thallium, total	7440-28-0	E420	0.00351 mg/L	0.004 mg/L	87.8	70.0	130	----
		Thorium, total	7440-29-1	E420	0.0192 mg/L	0.02 mg/L	96.1	70.0	130	----
		Tin, total	7440-31-5	E420	0.0184 mg/L	0.02 mg/L	91.9	70.0	130	----
		Titanium, total	7440-32-6	E420	0.0359 mg/L	0.04 mg/L	89.8	70.0	130	----
		Tungsten, total	7440-33-7	E420	0.0172 mg/L	0.02 mg/L	86.1	70.0	130	----
		Uranium, total	7440-61-1	E420	0.00352 mg/L	0.004 mg/L	88.0	70.0	130	----
		Vanadium, total	7440-62-2	E420	0.0923 mg/L	0.1 mg/L	92.3	70.0	130	----
		Zinc, total	7440-66-6	E420	0.362 mg/L	0.4 mg/L	90.4	70.0	130	----
		Zirconium, total	7440-67-7	E420	0.0389 mg/L	0.04 mg/L	97.3	70.0	130	----
Total Metals (QCLot: 910951)										
VA23A8582-021	Anonymous	Mercury, total	7439-97-6	E508	0.0000970 mg/L	0.0001 mg/L	97.0	70.0	130	----
Total Metals (QCLot: 910952)										
YL2300313-003	M-DF03-SNOW	Mercury, total	7439-97-6	E508	0.0000954 mg/L	0.0001 mg/L	95.4	70.0	130	----

ALS Environmental

Chain of Custody / Analytical Request Form
Canada Toll Free: 1 800 668 9878
www.alsglobal.com

COC # _____

Page 1 of 1

Report To:		**Report Format / Distribution**	**Service Requested** (Rush for routine analysis subject to availability)
Company:	Agnico Eagle Mines Ltd. - Hope Bay	☑ Standard ☐ Other	◉ Regular (Standard Turnaround Times - Business Days)
Contact:	Environmental Site Manager	☑ PDF ☑ Excel ☑ Digital ☐ Fax	○ Priority (2-4 Business Days) - 50% Surcharge - Contact ALS to Confirm TAT
Address:	145 King Street East	Email 1: enviro.data@agnicoeagle.com	○ Emergency (1-2 Bus. Days) - 100% Surcharge - Contact ALS to Confirm TAT
	Suite 400, Toronto, On, M5C 2Y7	Email 2: Gregory.Crooks@stantec.com	○ Same Day or Weekend Emergency - Contact ALS to Confirm TAT
Phone:	1-819-759-3555 Fax:	Email 3:	**Analysis Request**
Invoice To	Same as Report ? Y	**Client / Project Information**	Please indicate below Filtered, Preserved or both (F, P, F/P)
Hardcopy of Invoice with Report?		Job #:	
Company:		PO / AFE: OL 1250529	
Contact:		LSD:	
Address:		Job Ref: Madrid Dustfall Snowcore	
Phone:	Fax:	Quote #: Q80651 Snowcore	
Lab Work Order # (lab use only)		**ALS Contact:** Megha Walia **Sampler** TL/WN	

Sample #	Sample Identification (This description will appear on the report)	Date In (dd-mmm-yy)	Time	Sample Type	TDS	TSS	Anions	Total-Metals + Total Hg	Ammonia								Number of Containers
M-DF01-SNOW	M-DF01-SNOW	14-Apr-23	15:50	Water	X	X	X	X	X								4
M-DF02-SNOW	M-DF02-SNOW	14-Apr-23	11:00	Water	X	X	X	X	X								4
M-DF03-SNOW	M-DF-03-SNOW	14-Apr-23	12:25	Water	X	X	X	X	X								4
M-DF04-SNOW	M-DF04-SNOW	14-Apr-23	14:15	Water	X	X	X	X	X								4
M-DF05-SNOW	M-DF05-SNOW	15-Apr-23	9:15	Water	X	X	X	X	X								4
M-DF06-SNOW	M-DF-06-SNOW	15-Apr-23	12:15	Water	X	X	X	X	X								4
M-DF07-SNOW	M-DF07-SNOW	15-Apr-23	13:45	Water	X	X	X	X	X								4
M-DF08-SNOW	M-DF08-SNOW	15-Apr-23	13:55	Water	X	X	X	X	X								4
M-DF09-SNOW	M-DF-09-SNOW	15-Apr-23	15:45	Water	X	X	X	X	X								4

Yellowknife
Work Order Reference
YL2300313

Telephone : +1 867 873 5593

Special Instructions / Regulations with water or land use (CCME-Freshwater Aquatic Life/BC CSR - Commercial/AB Tier 1 - Natural, etc) / Hazardous Details

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

By the use of this form the user acknowledges and agrees with the Terms and Conditions as provided on a separate Excel tab.

Also provided on another Excel tab are the ALS location addresses, phone numbers and sample container / preservation / holding time table for common analyses.

SHIPMENT RELEASE (client use)			SHIPMENT RECEPTION (lab use only)				SHIPMENT VERIFICATION (lab use only)			
Released by:	Date (dd-mmm-yy)	Time (hh-mm)	Received by:	Date:		Temperature:	Verified by:	Date:	Time:	Observations: Yes / No ? If Yes add SIF
Tyler Lausch	20-Apr-23	9:00	SA	21/23 APR	9:20	6.2 °C				

GENF 18.01 Front

Appendix B Continuous Particulate Monitors Calibration Records

CD Nova Thermo 5014i Calibration Inspection

Work Order Number	N230104
Customer Name	Agnico Eagle Hope Bay
Instrument Part Number	5014i
Instrument Serial Number	CM19221003
Date	March 10 2023

Description	As found	Standard	As found variance	Allowable variance	Adjusted to	Final variance
Ambient Air Temperature	20.2	20.4	0.20	+/- 2.0°C	20.2	0.20
Ambient Relative Humidity	64	66	-2.00	+/- 3%	64	-2.00
Flow Temperature	18	21.7	-3.70	2.0+/- 0.2°C	21.7	0.00
Barometer Pressure	768.5	765.9	-2.60	+/- 5 mmHg	768.5	-2.60
Vacuum Pressure Span	51.9	52	0.10	50-70 mmHg	59.1	Pass
Flow Pressure Span	19.9	19.6	-0.30	20-30 mmHg	19.9	Pass
Flow calibration	16.67	15.82	-5.10%	+/- 2%	15.82	0.00%
Mass Calibration	7156	6928	-3.19%	+/-5%	6928	0.00%

Auto Detector Calibration

Initial High Voltage	1400	**Final High Voltage**	1420	
Initial Beta Count	320	**Final Beta Count**	360	

Leak Test

Start Value VAC	54.1	mmHg		
Start Value FLOW	16.67	LPM		
Leak Check Adapter VAC	153	mmHg		
Leak Check Adapter FLOW	16.53	LPM		
Flow Variance	0.14	LPM	+/-2.5% (0.42lpm)	Pass

Standards Used	Description	S/N	Calibration Date
Flow	Streamline Pro	C220-102	January 31, 2022
Temperature	Streamline Pro	C220-102	January 31, 2022
Pressure	Streamline Pro	C220-102	January 31, 2022
Relative Humidity	Vaisala HM40	U0340443	January 16 2022
Manometer	Dwyer	N/A	December 14 2016
Technical Data	Thermo Manual Waver number W1903 dated October 1, 2018		
	Thermo Fisher Procedure Number 106430-00 revision A		

Firmware updated to:

Calibration Complete By Dan Molloy, Service Manager, Western Region

Signature: _____

CD Nova Thermo 5014i Calibration Inspection

Work Order Number	N230104
Customer Name	Agnico Eagle Hope Bay
Instrument Part Number	5014i
Instrument Serial Number	CM19221002
Date	March 9 2023

Description	As found	Standard	As found variance	Allowable variance	Adjusted to	Final variance
Ambient Air Temperature	-25	-26	-1.00	+/- 2.0°C	-25	-1.00
Ambient Relative Humidity	64	66	-2.00	+/- 3%	64	-2.00
Flow Temperature	22.3	19.2	3.10	+/- 3.0°C	19.2	0.00
Barometer Pressure	768.8	769.2	0.40	+/- 5 mmHg	769.2	0.00
Vacuum Pressure Span	56.6	53.4	-3.20	50-70 mmHg	53.4	Pass
Flow Pressure Span	25.9	26.1	0.20	20-30 mmHg	25.9	Pass
Flow calibration	16.7	15.7	-5.99%	+/- 2%	15.7	0.00%
Mass Calibration	7166.34	7078	-1.23%	+/-5%	7078	0.00%

Auto Detector Calibration

Initial High Voltage	1380	**Final High Voltage**	1380	
Initial Beta Count	300	**Final Beta Count**	300	

Leak Test

Start Value VAC	58.7	mmHg		
Start Value FLOW	16.68	LPM		
Leak Check Adapter VAC	107	mmHg		
Leak Check Adapter FLOW	16.5	LPM		
Flow Variance	0.18	LPM	+/-2.5% (0.42lpm)	Pass

Standards Used	Description	S/N	Calibration Date
Flow	Streamline Pro	C220-102	31-Jan-22
Temperature	Streamline Pro	C220-102	31-Jan-22
Pressure	Streamline Pro	C220-102	31-Jan-22
Relative Humidity	Vaisala HM40	U0340443	Jan 16 2022
Manometer	Dwyer	N/A	Dec 14 2016
Technical Data	Thermo Manual Waver number W1903 dated October 1, 2018		
	Thermo Fisher Procedure Number 106430-00 revision A		

Firmware updated to:

Calibration Complete By Dan Molloy, Service Manager, Western Region

Signature: _____

AND ASSOCIATED COMPANIES

NO-NO2-NOX

Calibration form

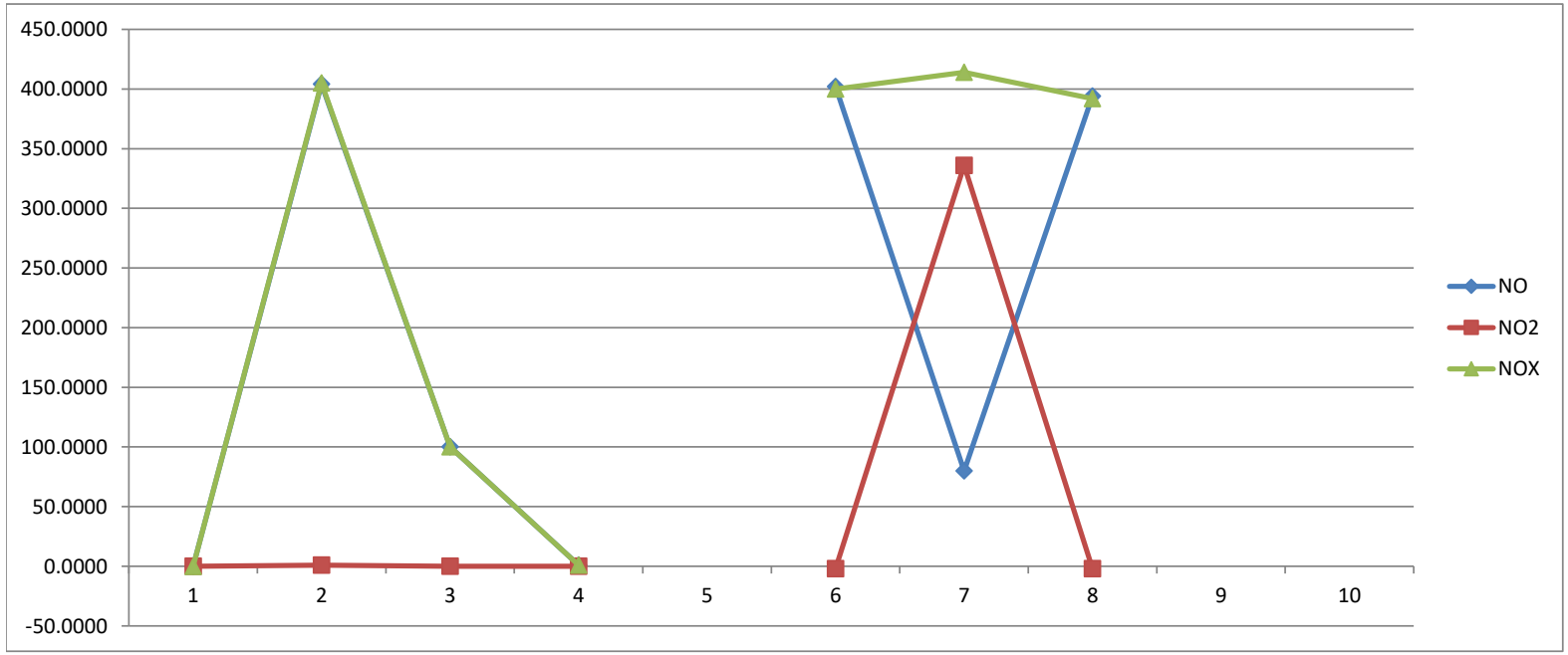
Instrument	42iQ
Serial number	1191222768
Customer	Agnico Eagle Hope Bay
Work order	N230104
Date	March 11 2023

Calibrator	Thermo 146iQ
Calibrator S/N	1191222770
Test gas conc.	14.95
Test gas cert.	1505294

Test Point	NO	NO2	NOX	ppb
1	-0.2000	-0.1000	-0.3000	ppb
2	404.0000	1.0000	405.0000	ppb
3	100.0000	0.0000	100.0000	ppb
4	1.0000	0.0000	1.0000	ppb
GPT 1	402.0000	-2.0000	400.0000	ppb
GPT 2	80.0000	336.0000	414.0000	ppb
GPT 3	394.0000	-2.0000	392.0000	ppb

Convertor efficency 104.3%

Instrument Information	
Version	
Firmware	1.06.15.34700
PMT voltage	-830
NO background	2.7
NOX background	2.9
NO coef	1.048
NO2 coef	0.940
NOX coef	0.989



Completed by: Dan Molloy

AND ASSOCIATED COMPANIES

NO-NO2-NOX

Calibration form

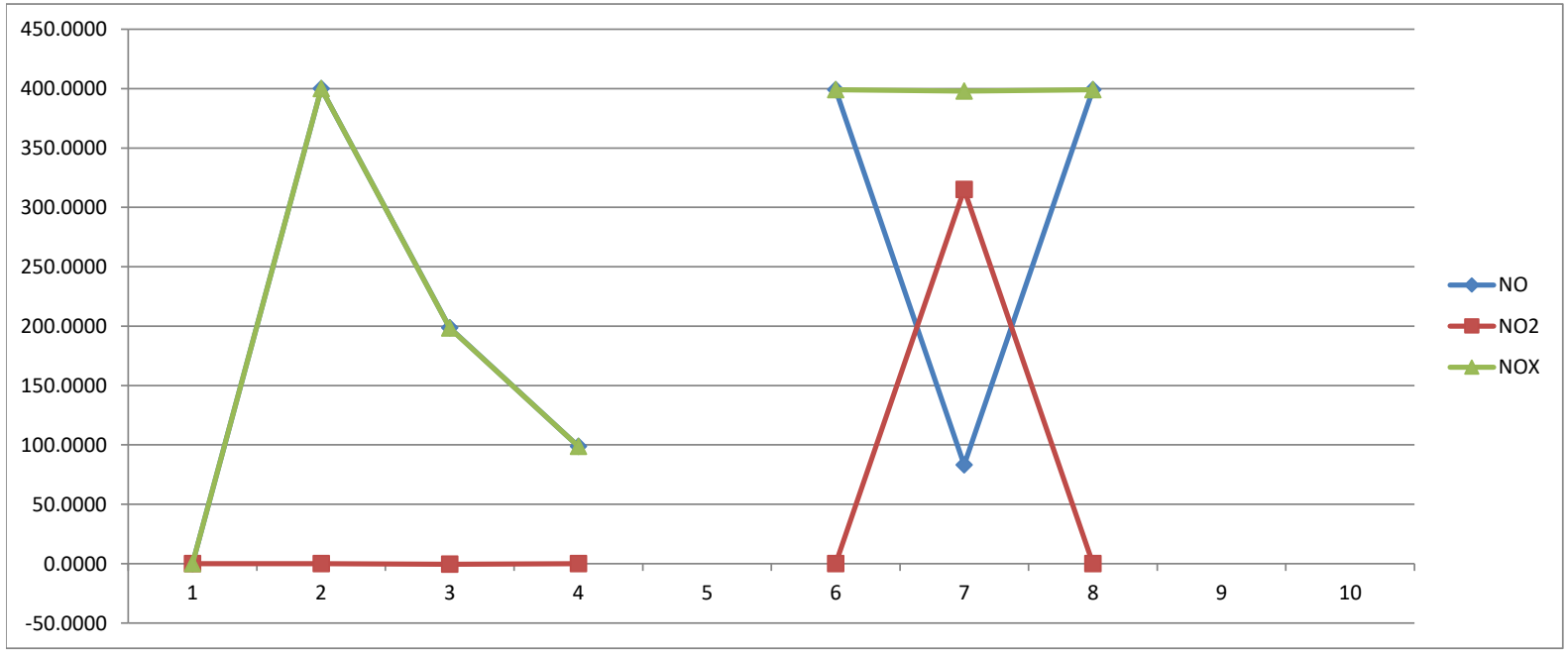
Instrument	42iQ
Serial number	1191222768
Customer	Agnico Eagle Hope Bay
Work order	N230104
Date	March 12 2023

Calibrator	Thermo 146iQ
Calibrator S/N	1191222770
Test gas conc.	14.95
Test gas cert.	1505294

Test Point	NO	NO2	NOX	ppb
1	0.0000	0.0000	0.0000	ppb
2	400.0000	0.0000	400.0000	ppb
3	198.7000	-0.5000	198.3000	ppb
4	98.8000	-0.1000	98.7000	ppb
GPT 1	399.0000	0.0000	399.0000	ppb
GPT 2	83.0000	315.0000	398.0000	ppb
GPT 3	399.0000	0.0000	399.0000	ppb

Convertor efficency 99.7%

Instrument Information	
Version	N/A
Firmware	1.06.15.34700
PMT voltage	-830.4
NO background	4.0
NOX background	4.1
NO coef	0.992
NO2 coef	1.000
NOX coef	0.994



Completed by: Dan Molloy

Appendix C Meteorological Data Summary

Date mm/dd/yyyy hh:hh	Average Wind Speed (m/s)	Average Wind Direction (deg)	Average Air Temperature (°C)	Average Relative Humidity (%)	Average Solar Radiation (W/m^2)	Bright Sunshine Hours (hours)	Precip (TBRG) (mm)	Station Pressure (kPa)
10/1/22 0:00	6.9	162	4.8	81.2	0.0	0.0	M	99.9
10/1/22 1:00	4.3	137	4.3	90.1	0.0	0.0	M	99.8
10/1/22 2:00	3.0	163	5.1	91.9	0.0	0.0	M	99.7
10/1/22 3:00	5.2	192	5.4	92.2	0.0	0.0	M	99.7
10/1/22 4:00	5.7	220	5.8	93.0	0.0	0.0	M	99.7
10/1/22 5:00	6.6	251	6.2	92.6	0.0	0.0	M	99.6
10/1/22 6:00	9.7	262	4.9	93.4	0.0	0.0	M	99.6
10/1/22 7:00	9.9	264	4.2	94.7	1.5	0.0	M	99.7
10/1/22 8:00	10.5	264	4.0	95.0	14.4	0.0	M	99.8
10/1/22 9:00	10.0	267	3.6	95.2	10.6	0.0	M	99.9
10/1/22 10:00	9.3	273	3.2	95.9	19.3	0.0	M	100.0
10/1/22 11:00	9.7	281	3.0	95.6	51.8	0.0	M	100.1
10/1/22 12:00	8.2	286	2.9	94.2	51.2	0.0	M	100.1
10/1/22 13:00	7.6	280	2.3	95.6	32.8	0.0	M	100.2
10/1/22 14:00	8.3	271	1.7	97.8	42.2	0.0	M	100.2
10/1/22 15:00	7.9	272	1.4	98.0	34.5	0.0	M	100.2
10/1/22 16:00	7.0	259	1.1	98.3	19.6	0.0	M	100.2
10/1/22 17:00	4.8	271	0.9	98.9	8.6	0.0	M	100.1
10/1/22 18:00	3.5	255	0.8	99.3	1.7	0.0	M	100.1
10/1/22 19:00	1.6	211	0.8	99.5	0.0	0.0	M	100.0
10/1/22 20:00	1.8	125	0.8	99.6	0.0	0.0	M	100.0
10/1/22 21:00	3.5	110	0.7	99.8	0.0	0.0	M	99.8
10/1/22 22:00	4.5	98	0.7	99.9	0.0	0.0	M	99.7
10/1/22 23:00	4.9	104	0.9	99.9	0.0	0.0	M	99.6
10/2/22 0:00	4.6	105	1.0	99.9	0.0	0.0	M	99.5
10/2/22 1:00	6.4	84	0.9	99.8	0.0	0.0	M	99.3
10/2/22 2:00	5.9	83	0.9	99.7	0.0	0.0	M	99.3
10/2/22 3:00	8.4	78	0.9	99.5	0.0	0.0	M	99.0
10/2/22 4:00	10.0	77	1.0	99.0	0.0	0.0	M	98.9
10/2/22 5:00	11.1	71	1.0	98.4	0.0	0.0	M	98.7
10/2/22 6:00	12.5	70	1.1	98.7	0.0	0.0	M	98.6
10/2/22 7:00	12.1	66	1.1	99.2	1.1	0.0	M	98.4
10/2/22 8:00	15.3	62	1.2	99.3	5.9	0.0	M	98.3
10/2/22 9:00	15.0	59	1.2	98.7	13.5	0.0	M	98.2
10/2/22 10:00	14.5	57	1.3	97.3	32.4	0.0	M	98.2
10/2/22 11:00	11.9	48	1.2	96.9	16.8	0.0	M	98.4
10/2/22 12:00	10.7	35	1.0	97.4	21.3	0.0	M	98.4
10/2/22 13:00	11.4	25	0.6	98.1	14.6	0.0	M	98.5
10/2/22 14:00	11.6	15	0.5	98.9	10.0	0.0	M	98.8
10/2/22 15:00	12.3	356	0.2	99.5	11.9	0.0	M	98.9
10/2/22 16:00	12.2	351	0.1	99.8	15.3	0.0	M	99.2
10/2/22 17:00	8.4	336	0.0	100.0	11.0	0.0	M	99.4
10/2/22 18:00	9.0	333	-0.2	100.0	0.9	0.0	M	99.6
10/2/22 19:00	10.0	317	-0.2	100.0	0.0	0.0	M	99.7
10/2/22 20:00	9.4	308	-0.5	100.0	0.0	0.0	M	99.8
10/2/22 21:00	11.4	302	-0.9	100.0	0.0	0.0	M	99.8
10/2/22 22:00	13.4	301	-1.9	99.2	0.0	0.0	M	100.0
10/2/22 23:00	12.7	299	-2.9	94.5	0.0	0.0	M	100.1
10/3/22 0:00	12.6	299	-2.5	87.9	0.0	0.0	M	100.1
10/3/22 1:00	11.9	298	-1.9	86.7	0.0	0.0	M	100.1
10/3/22 2:00	12.6	295	-1.8	84.2	0.0	0.0	M	100.1
10/3/22 3:00	13.2	291	-1.8	81.3	0.0	0.0	M	100.2
10/3/22 4:00	13.3	285	-1.5	81.1	0.0	0.0	M	100.1
10/3/22 5:00	12.2	286	-1.2	79.6	0.0	0.0	M	100.1
10/3/22 6:00	11.9	285	-0.8	81.7	0.0	0.0	M	100.1
10/3/22 7:00	12.5	277	-0.4	88.3	2.9	0.0	M	100.1
10/3/22 8:00	13.0	283	0.0	89.5	27.5	0.0	M	100.2
10/3/22 9:00	11.7	293	-0.3	89.7	83.4	0.0	M	100.2
10/3/22 10:00	10.2	295	-0.6	88.8	144.6	1.0	M	100.2
10/3/22 11:00	10.4	292	-1.1	88.2	160.6	1.0	M	100.4
10/3/22 12:00	9.5	307	-2.3	87.1	125.3	1.0	M	100.4
10/3/22 13:00	9.4	304	-2.5	87.6	160.0	1.0	M	100.5
10/3/22 14:00	9.3	307	-3.1	87.1	130.1	1.0	M	100.6
10/3/22 15:00	9.7	307	-3.5	86.1	101.1	0.0	M	100.7
10/3/22 16:00	9.6	308	-3.5	86.3	65.9	0.0	M	100.8
10/3/22 17:00	9.3	309	-3.7	86.2	31.2	0.0	M	100.9
10/3/22 18:00	9.2	310	-4.2	87.0	3.2	0.0	M	101.0
10/3/22 19:00	8.2	311	-4.4	86.4	0.0	0.0	M	101.0
10/3/22 20:00	8.5	309	-4.3	86.5	0.0	0.0	M	101.1
10/3/22 21:00	8.4	313	-4.4	88.4	0.0	0.0	M	101.2
10/3/22 22:00	8.4	314	-4.6	89.1	0.0	0.0	M	101.3
10/3/22 23:00	7.4	313	-5.1	90.2	0.0	0.0	M	101.3
10/4/22 0:00	7.5	316	-5.3	89.8	0.0	0.0	M	101.4
10/4/22 1:00	7.3	318	-5.0	87.4	0.0	0.0	M	101.5
10/4/22 2:00	7.3	327	-4.8	87.2	0.0	0.0	M	101.6
10/4/22 3:00	6.9	337	-4.6	87.6	0.0	0.0	M	101.7
10/4/22 4:00	6.5	329	-4.9	88.6	0.0	0.0	M	101.7

10/4/22 5:00	6.8	323	-5.5	90.9	0.0	0.0	M	101.8
10/4/22 6:00	7.2	322	-5.7	89.6	0.0	0.0	M	101.9
10/4/22 7:00	6.6	330	-5.8	85.7	5.1	0.0	M	101.9
10/4/22 8:00	6.2	331	-5.5	85.4	49.1	0.0	M	102.0
10/4/22 9:00	5.7	321	-5.5	84.9	61.3	0.0	M	102.1
10/4/22 10:00	6.1	318	-5.0	83.1	182.9	1.0	M	102.1
10/4/22 11:00	6.8	322	-5.0	83.2	180.5	1.0	M	102.1
10/4/22 12:00	7.2	321	-4.5	81.0	251.4	1.0	M	102.2
10/4/22 13:00	6.5	310	-4.3	81.3	295.6	1.0	M	102.3
10/4/22 14:00	6.9	304	-4.8	83.0	169.3	1.0	M	102.3
10/4/22 15:00	6.1	308	-4.9	84.3	123.3	1.0	M	102.4
10/4/22 16:00	7.1	299	-4.9	85.0	93.4	0.0	M	102.4
10/4/22 17:00	6.9	297	-5.3	86.0	24.3	0.0	M	102.4
10/4/22 18:00	6.0	306	-5.3	85.8	3.2	0.0	M	102.5
10/4/22 19:00	6.1	306	-5.4	87.2	0.0	0.0	M	102.5
10/4/22 20:00	6.4	291	-5.2	85.8	0.0	0.0	M	102.6
10/4/22 21:00	6.7	298	-4.9	84.8	0.0	0.0	M	102.6
10/4/22 22:00	7.1	297	-5.0	85.5	0.0	0.0	M	102.6
10/4/22 23:00	6.9	291	-4.7	84.6	0.0	0.0	M	102.6
10/5/22 0:00	6.3	298	-4.8	82.4	0.0	0.0	M	102.6
10/5/22 1:00	5.7	306	-4.9	87.4	0.0	0.0	M	102.6
10/5/22 2:00	5.6	302	-4.7	89.3	0.0	0.0	M	102.7
10/5/22 3:00	5.7	298	-4.5	88.2	0.0	0.0	M	102.7
10/5/22 4:00	4.5	305	-4.6	88.9	0.0	0.0	M	102.7
10/5/22 5:00	3.9	310	-4.5	87.2	0.0	0.0	M	102.7
10/5/22 6:00	5.3	317	-4.7	90.0	0.0	0.0	M	102.6
10/5/22 7:00	4.3	297	-4.0	89.3	2.9	0.0	M	102.6
10/5/22 8:00	4.1	249	-2.8	87.7	15.3	0.0	M	102.5
10/5/22 9:00	3.6	201	-2.5	87.0	51.3	0.0	M	102.5
10/5/22 10:00	6.4	229	-2.0	87.1	105.2	0.0	M	102.4
10/5/22 11:00	6.9	220	-2.2	83.1	164.7	1.0	M	102.4
10/5/22 12:00	5.9	209	-1.4	79.2	284.7	1.0	M	102.4
10/5/22 13:00	5.1	201	-0.7	77.6	279.0	1.0	M	102.3
10/5/22 14:00	5.6	203	-0.5	78.1	250.2	1.0	M	102.2
10/5/22 15:00	6.1	205	-0.6	78.5	197.0	1.0	M	102.1
10/5/22 16:00	6.7	206	-0.6	79.4	125.1	1.0	M	102.0
10/5/22 17:00	5.5	198	-0.6	78.5	60.1	0.0	M	101.9
10/5/22 18:00	4.8	187	-1.2	81.7	3.3	0.0	M	101.8
10/5/22 19:00	5.8	200	-1.0	81.2	0.0	0.0	M	101.7
10/5/22 20:00	6.2	201	-0.3	81.4	0.0	0.0	M	101.6
10/5/22 21:00	6.5	197	-0.2	84.3	0.0	0.0	M	101.5
10/5/22 22:00	6.1	185	0.3	85.8	0.0	0.0	M	101.4
10/5/22 23:00	6.7	192	0.7	85.3	0.0	0.0	M	101.3
10/6/22 0:00	6.5	192	1.0	85.7	0.0	0.0	M	101.2
10/6/22 1:00	6.0	201	1.2	84.7	0.0	0.0	M	101.1
10/6/22 2:00	5.6	198	1.0	83.9	0.0	0.0	M	101.0
10/6/22 3:00	6.8	185	0.5	86.3	0.0	0.0	M	100.8
10/6/22 4:00	6.9	174	0.1	87.3	0.0	0.0	M	100.6
10/6/22 5:00	5.8	177	0.6	87.4	0.0	0.0	M	100.5
10/6/22 6:00	6.2	186	1.2	86.1	0.0	0.0	M	100.3
10/6/22 7:00	5.4	189	1.2	87.1	0.4	0.0	M	100.1
10/6/22 8:00	4.0	181	1.1	89.3	3.3	0.0	M	100.0
10/6/22 9:00	4.7	215	0.8	94.1	23.6	0.0	M	99.9
10/6/22 10:00	6.5	246	1.1	96.6	38.2	0.0	M	99.9
10/6/22 11:00	8.9	266	1.8	95.9	47.1	0.0	M	99.8
10/6/22 12:00	11.5	274	1.7	95.5	62.7	0.0	M	99.8
10/6/22 13:00	11.6	287	1.6	93.7	125.3	1.0	M	99.9
10/6/22 14:00	12.2	293	1.3	90.9	136.7	1.0	M	100.0
10/6/22 15:00	12.5	297	1.0	89.8	96.8	0.0	M	100.2
10/6/22 16:00	10.7	300	0.9	89.1	48.9	0.0	M	100.3
10/6/22 17:00	10.3	303	0.6	88.9	15.2	0.0	M	100.2
10/6/22 18:00	11.2	304	-0.5	89.2	1.6	0.0	M	100.3
10/6/22 19:00	10.8	301	-0.7	88.2	0.0	0.0	M	100.4
10/6/22 20:00	10.0	307	-0.6	86.3	0.0	0.0	M	100.4
10/6/22 21:00	9.0	315	-0.6	85.7	0.0	0.0	M	100.4
10/6/22 22:00	9.1	316	-0.6	85.3	0.0	0.0	M	100.3
10/6/22 23:00	8.6	315	-0.9	86.5	0.0	0.0	M	100.3
10/7/22 0:00	8.1	304	-1.1	87.8	0.0	0.0	M	100.2
10/7/22 1:00	6.8	309	-1.1	86.4	0.0	0.0	M	100.2
10/7/22 2:00	6.8	304	-1.1	85.3	0.0	0.0	M	100.2
10/7/22 3:00	5.4	306	-1.2	85.5	0.0	0.0	M	100.2
10/7/22 4:00	4.4	300	-1.4	86.5	0.0	0.0	M	100.1
10/7/22 5:00	3.3	307	-1.6	87.2	0.0	0.0	M	100.0
10/7/22 6:00	2.7	281	-2.0	92.1	0.0	0.0	M	99.9
10/7/22 7:00	0.8	244	-2.1	93.2	4.1	0.0	M	99.7
10/7/22 8:00	2.2	165	-2.0	93.8	26.3	0.0	M	99.9
10/7/22 9:00	3.5	159	-1.9	92.0	46.9	0.0	M	100.0
10/7/22 10:00	5.0	154	-1.7	88.8	88.3	0.0	M	100.1
10/7/22 11:00	6.0	154	-1.1	88.9	136.4	1.0	M	100.9
10/7/22 12:00	7.6	148	-0.5	89.7	147.1	1.0	M	100.8
10/7/22 13:00	7.7	154	-0.1	90.5	83.6	0.0	M	100.7
10/7/22 14:00	8.1	160	0.4	90.1	61.2	0.0	M	100.6
10/7/22 15:00	7.0	153	0.7	91.6	25.3	0.0	M	100.6

10/7/22 16:00	5.8	157	0.9	93.5	12.1	0.0	M	100.6
10/7/22 17:00	4.9	155	1.1	94.4	7.1	0.0	M	100.5
10/7/22 18:00	5.3	171	1.4	93.9	0.7	0.0	M	100.4
10/7/22 19:00	5.1	184	1.9	93.3	0.0	0.0	M	100.4
10/7/22 20:00	4.3	212	2.5	92.0	0.0	0.0	M	100.4
10/7/22 21:00	5.4	253	3.1	92.7	0.0	0.0	M	100.4
10/7/22 22:00	6.2	257	2.9	94.1	0.0	0.0	M	100.4
10/7/22 23:00	7.0	260	2.9	95.1	0.0	0.0	M	100.4
10/8/22 0:00	6.4	262	3.1	94.2	0.0	0.0	M	100.4
10/8/22 1:00	5.0	258	2.8	96.0	0.0	0.0	M	100.4
10/8/22 2:00	4.1	260	2.9	96.4	0.0	0.0	M	100.4
10/8/22 3:00	3.3	255	2.6	96.3	0.0	0.0	M	100.3
10/8/22 4:00	1.6	235	2.4	96.6	0.0	0.0	M	100.3
10/8/22 5:00	2.7	208	2.8	94.2	0.0	0.0	M	100.3
10/8/22 6:00	5.0	229	4.0	90.6	0.0	0.0	M	100.3
10/8/22 7:00	6.4	226	5.4	82.8	2.0	0.0	M	100.2
10/8/22 8:00	9.6	251	5.5	79.6	20.4	0.0	M	100.2
10/8/22 9:00	10.7	261	4.3	85.0	65.9	0.0	M	100.3
10/8/22 10:00	10.5	271	3.6	87.7	152.0	1.0	M	100.5
10/8/22 11:00	8.2	279	3.4	85.7	252.3	1.0	M	100.5
10/8/22 12:00	9.5	273	3.1	85.8	239.7	1.0	M	100.6
10/8/22 13:00	11.0	278	2.4	86.4	113.5	0.0	M	100.6
10/8/22 14:00	11.3	274	1.8	85.6	80.3	0.0	M	100.7
10/8/22 15:00	10.1	271	2.1	85.3	75.4	0.0	M	100.9
10/8/22 16:00	9.4	269	2.0	84.9	79.5	0.0	M	100.9
10/8/22 17:00	10.5	265	1.9	85.3	25.9	0.0	M	100.9
10/8/22 18:00	11.4	266	1.8	85.0	1.1	0.0	M	100.9
10/8/22 19:00	11.6	272	1.9	83.1	0.0	0.0	M	100.9
10/8/22 20:00	10.4	284	1.6	79.7	0.0	0.0	M	100.9
10/8/22 21:00	9.8	279	1.3	81.4	0.0	0.0	M	100.9
10/8/22 22:00	9.9	284	0.9	82.4	0.0	0.0	M	100.9
10/8/22 23:00	9.2	277	0.8	83.7	0.0	0.0	M	100.9
10/9/22 0:00	8.6	276	0.8	86.2	0.0	0.0	M	100.9
10/9/22 1:00	8.3	284	0.5	83.7	0.0	0.0	M	101.0
10/9/22 2:00	6.9	280	0.3	83.8	0.0	0.0	M	101.0
10/9/22 3:00	6.9	278	0.2	85.0	0.0	0.0	M	101.0
10/9/22 4:00	5.8	287	0.1	83.0	0.0	0.0	M	100.9
10/9/22 5:00	5.0	289	-0.2	83.1	0.0	0.0	M	100.9
10/9/22 6:00	3.8	292	-0.6	83.9	0.0	0.0	M	100.9
10/9/22 7:00	4.4	275	0.0	82.5	1.0	0.0	M	100.8
10/9/22 8:00	4.6	273	0.1	80.7	13.6	0.0	M	100.8
10/9/22 9:00	4.0	288	0.3	83.0	97.2	0.0	M	100.7
10/9/22 10:00	3.0	347	-0.1	86.4	136.9	1.0	M	100.7
10/9/22 11:00	1.8	343	0.0	84.2	196.3	1.0	M	100.6
10/9/22 12:00	1.5	275	0.4	82.3	205.3	1.0	M	100.6
10/9/22 13:00	1.7	15	0.1	83.9	140.5	1.0	M	100.5
10/9/22 14:00	1.6	75	0.5	82.1	213.2	1.0	M	100.4
10/9/22 15:00	2.0	122	1.3	78.5	143.2	1.0	M	100.3
10/9/22 16:00	3.1	80	0.1	84.7	28.0	0.0	M	100.2
10/9/22 17:00	5.6	65	-1.2	91.3	18.4	0.0	M	100.1
10/9/22 18:00	6.5	63	-2.3	95.4	0.6	0.0	M	100.0
10/9/22 19:00	5.4	79	-2.8	98.0	0.0	0.0	M	99.9
10/9/22 20:00	6.7	82	-2.9	97.3	0.0	0.0	M	99.8
10/9/22 21:00	7.3	87	-3.0	96.7	0.0	0.0	M	99.8
10/9/22 22:00	8.9	91	-2.8	98.2	0.0	0.0	M	99.6
10/9/22 23:00	9.9	89	-2.7	97.9	0.0	0.0	M	99.5
10/10/22 0:00	10.4	89	-3.0	97.7	0.0	0.0	M	99.4
10/10/22 1:00	9.7	87	-3.5	98.5	0.0	0.0	M	99.3
10/10/22 2:00	9.8	91	-3.0	97.5	0.0	0.0	M	99.2
10/10/22 3:00	10.3	88	-2.9	97.3	0.0	0.0	M	99.2
10/10/22 4:00	10.5	86	-3.1	98.0	0.0	0.0	M	99.1
10/10/22 5:00	11.3	92	-2.9	98.3	0.0	0.0	M	99.1
10/10/22 6:00	10.2	98	-2.7	98.0	0.0	0.0	M	99.1
10/10/22 7:00	10.1	94	-2.7	98.0	1.7	0.0	M	99.0
10/10/22 8:00	10.6	90	-2.6	97.3	22.3	0.0	M	99.0
10/10/22 9:00	11.1	89	-2.5	96.8	46.1	0.0	M	99.0
10/10/22 10:00	9.9	89	-2.5	96.6	56.4	0.0	M	98.9
10/10/22 11:00	9.7	91	-2.1	94.9	168.7	1.0	M	98.9
10/10/22 12:00	10.2	90	-1.8	93.3	179.1	1.0	M	98.9
10/10/22 13:00	11.0	92	-1.3	91.9	150.3	1.0	M	98.9
10/10/22 14:00	11.3	87	-1.1	90.9	160.6	1.0	M	98.7
10/10/22 15:00	11.7	84	-1.0	90.9	113.9	0.0	M	98.8
10/10/22 16:00	11.5	84	-1.1	91.3	65.7	0.0	M	98.8
10/10/22 17:00	10.9	82	-1.5	91.4	13.8	0.0	M	98.8
10/10/22 18:00	10.5	81	-1.9	91.9	0.3	0.0	M	98.8
10/10/22 19:00	11.1	84	-2.2	92.6	0.0	0.0	M	98.8
10/10/22 20:00	10.6	87	-2.3	93.4	0.0	0.0	M	98.9
10/10/22 21:00	8.6	90	-2.5	94.1	0.0	0.0	M	98.9
10/10/22 22:00	8.6	94	-2.7	95.5	0.0	0.0	M	98.9
10/10/22 23:00	9.9	88	-2.9	98.2	0.0	0.0	M	98.9
10/11/22 0:00	9.8	90	-2.7	98.9	0.0	0.0	M	98.9
10/11/22 1:00	10.2	88	-2.6	98.5	0.0	0.0	M	98.8
10/11/22 2:00	9.4	86	-2.3	96.5	0.0	0.0	M	98.8

10/11/22 3:00	9.5	85	-2.2	95.2	0.0	0.0	M	98.8
10/11/22 4:00	9.3	84	-1.8	94.2	0.0	0.0	M	98.8
10/11/22 5:00	9.6	83	-1.5	93.5	0.0	0.0	M	98.8
10/11/22 6:00	10.9	90	-1.0	93.9	0.0	0.0	M	98.7
10/11/22 7:00	10.8	89	-0.8	93.0	1.4	0.0	M	98.7
10/11/22 8:00	10.5	89	-0.6	92.4	9.7	0.0	M	98.8
10/11/22 9:00	11.2	92	-0.6	91.5	40.1	0.0	M	98.7
10/11/22 10:00	11.4	96	-0.3	89.8	59.6	0.0	M	98.8
10/11/22 11:00	11.2	97	-0.3	89.0	62.5	0.0	M	98.8
10/11/22 12:00	11.1	98	-0.1	88.8	73.9	0.0	M	98.8
10/11/22 13:00	11.3	93	0.2	90.2	79.2	0.0	M	98.8
10/11/22 14:00	11.0	92	0.5	90.6	49.9	0.0	M	98.8
10/11/22 15:00	11.4	94	0.3	92.7	27.4	0.0	M	98.8
10/11/22 16:00	11.1	90	0.2	94.5	18.3	0.0	M	98.8
10/11/22 17:00	10.8	89	0.2	95.6	6.0	0.0	M	98.9
10/11/22 18:00	11.3	92	0.3	95.2	0.1	0.0	M	98.9
10/11/22 19:00	10.7	93	0.3	94.3	0.0	0.0	M	99.0
10/11/22 20:00	10.4	93	0.2	95.3	0.0	0.0	M	99.0
10/11/22 21:00	10.6	92	0.1	95.8	0.0	0.0	M	99.0
10/11/22 22:00	9.3	97	0.1	95.8	0.0	0.0	M	99.0
10/11/22 23:00	8.8	98	0.1	95.0	0.0	0.0	M	99.0
10/12/22 0:00	8.6	94	0.1	94.2	0.0	0.0	M	99.0
10/12/22 1:00	8.5	91	0.0	93.8	0.0	0.0	M	99.1
10/12/22 2:00	7.6	86	-0.2	94.6	0.0	0.0	M	99.1
10/12/22 3:00	7.3	85	-0.3	94.8	0.0	0.0	M	99.1
10/12/22 4:00	7.3	85	-0.3	94.7	0.0	0.0	M	99.1
10/12/22 5:00	6.7	82	-0.5	96.2	0.0	0.0	M	99.2
10/12/22 6:00	5.5	83	-0.4	97.0	0.0	0.0	M	99.2
10/12/22 7:00	4.7	76	-0.4	97.2	0.2	0.0	M	99.2
10/12/22 8:00	4.2	72	-0.5	97.2	6.0	0.0	M	99.3
10/12/22 9:00	3.3	69	-0.6	97.7	28.2	0.0	M	99.3
10/12/22 10:00	2.8	58	-0.6	98.4	50.9	0.0	M	99.4
10/12/22 11:00	2.2	37	-0.5	98.4	69.0	0.0	M	99.4
10/12/22 12:00	2.1	30	-0.5	98.4	88.9	0.0	M	99.5
10/12/22 13:00	1.4	341	-0.2	97.9	123.1	1.0	M	99.5
10/12/22 14:00	3.0	293	-0.1	97.5	104.5	0.0	M	99.6
10/12/22 15:00	4.7	297	-0.4	97.8	57.6	0.0	M	99.7
10/12/22 16:00	5.1	298	-0.4	98.0	27.8	0.0	M	99.7
10/12/22 17:00	6.0	302	-0.3	97.7	8.6	0.0	M	99.8
10/12/22 18:00	7.6	306	-0.6	96.6	0.2	0.0	M	99.9
10/12/22 19:00	8.7	306	-1.5	95.2	0.0	0.0	M	100.1
10/12/22 20:00	8.7	311	-2.1	93.9	0.0	0.0	M	100.1
10/12/22 21:00	8.5	308	-2.3	94.5	0.0	0.0	M	100.3
10/12/22 22:00	9.5	302	-2.6	92.8	0.0	0.0	M	100.3
10/12/22 23:00	9.4	306	-3.3	92.0	0.0	0.0	M	100.4
10/13/22 0:00	10.0	316	-3.9	90.5	0.0	0.0	M	100.6
10/13/22 1:00	8.0	314	-4.3	90.5	0.0	0.0	M	100.6
10/13/22 2:00	7.0	311	-4.9	89.6	0.0	0.0	M	100.8
10/13/22 3:00	7.0	302	-4.9	89.3	0.0	0.0	M	100.8
10/13/22 4:00	5.6	299	-5.6	88.6	0.0	0.0	M	100.9
10/13/22 5:00	3.1	296	-6.0	88.9	0.0	0.0	M	101.0
10/13/22 6:00	4.2	294	-6.5	88.7	0.0	0.0	M	101.0
10/13/22 7:00	4.3	288	-6.8	91.0	0.6	0.0	M	101.0
10/13/22 8:00	3.1	291	-6.3	89.4	28.3	0.0	M	101.0
10/13/22 9:00	3.6	285	-5.3	84.5	95.8	0.0	M	101.0
10/13/22 10:00	1.8	139	-3.9	80.3	155.3	1.0	M	101.1
10/13/22 11:00	2.7	198	-3.7	78.0	203.0	1.0	M	101.0
10/13/22 12:00	2.9	168	-3.5	78.9	232.2	1.0	M	101.1
10/13/22 13:00	3.1	174	-3.3	76.7	214.8	1.0	M	101.0
10/13/22 14:00	4.0	157	-3.8	79.5	211.7	1.0	M	101.1
10/13/22 15:00	4.5	139	-3.6	79.8	89.6	0.0	M	101.0
10/13/22 16:00	6.7	118	-3.8	82.7	33.0	0.0	M	101.0
10/13/22 17:00	7.2	122	-3.9	81.5	3.9	0.0	M	100.9
10/13/22 18:00	9.0	121	-3.9	80.9	0.0	0.0	M	100.8
10/13/22 19:00	10.3	129	-3.5	78.4	0.0	0.0	M	100.8
10/13/22 20:00	10.2	125	-3.5	77.4	0.0	0.0	M	100.7
10/13/22 21:00	12.3	125	-3.4	78.2	0.0	0.0	M	100.5
10/13/22 22:00	12.4	135	-3.3	79.9	0.0	0.0	M	100.4
10/13/22 23:00	10.9	136	-4.0	86.8	0.0	0.0	M	100.4
10/14/22 0:00	10.9	116	-4.4	91.2	0.0	0.0	M	100.2
10/14/22 1:00	11.1	120	-4.1	93.0	0.0	0.0	M	100.1
10/14/22 2:00	11.8	137	-3.3	92.8	0.0	0.0	M	99.9
10/14/22 3:00	12.7	138	-2.9	93.0	0.0	0.0	M	99.7
10/14/22 4:00	11.5	142	-2.5	89.8	0.0	0.0	M	99.7
10/14/22 5:00	11.4	145	-2.3	90.3	0.0	0.0	M	99.5
10/14/22 6:00	10.5	149	-1.7	90.4	0.0	0.0	M	99.5
10/14/22 7:00	8.5	158	-1.3	94.0	0.0	0.0	M	99.4
10/14/22 8:00	6.9	163	-0.9	97.4	1.9	0.0	M	99.3
10/14/22 9:00	6.4	172	-0.2	98.9	22.4	0.0	M	99.3
10/14/22 10:00	7.0	210	0.4	98.7	40.5	0.0	M	99.4
10/14/22 11:00	9.6	259	0.5	96.5	68.2	0.0	M	99.4
10/14/22 12:00	8.9	259	0.3	95.7	65.5	0.0	M	99.4
10/14/22 13:00	12.0	258	0.1	96.0	99.5	0.0	M	99.4

10/14/22 14:00	11.5	262	0.0	93.5	73.2	0.0	M	99.5
10/14/22 15:00	13.5	274	-0.3	92.1	56.7	0.0	M	99.6
10/14/22 16:00	13.6	289	-1.3	91.2	30.9	0.0	M	99.5
10/14/22 17:00	13.7	298	-2.3	90.7	5.0	0.0	M	99.1
10/14/22 18:00	14.4	294	-3.8	90.5	0.2	0.0	M	99.2
10/14/22 19:00	15.2	294	-4.4	89.7	0.0	0.0	M	99.2
10/14/22 20:00	14.2	294	-4.3	87.4	0.0	0.0	M	100.2
10/14/22 21:00	14.7	295	-4.3	86.2	0.0	0.0	M	100.2
10/14/22 22:00	13.2	293	-4.3	84.9	0.0	0.0	M	100.1
10/14/22 23:00	12.3	295	-4.4	84.3	0.0	0.0	M	100.2
10/15/22 0:00	12.4	293	-4.3	84.1	0.0	0.0	M	100.1
10/15/22 1:00	10.2	295	-4.9	82.7	0.0	0.0	M	101.0
10/15/22 2:00	10.1	297	-5.3	79.7	0.0	0.0	M	101.0
10/15/22 3:00	9.1	299	-5.3	81.1	0.0	0.0	M	100.9
10/15/22 4:00	5.9	310	-5.6	85.3	0.0	0.0	M	100.8
10/15/22 5:00	4.7	316	-5.6	86.3	0.0	0.0	M	100.8
10/15/22 6:00	4.3	313	-5.8	87.3	0.0	0.0	M	100.7
10/15/22 7:00	3.8	315	-6.1	88.7	0.3	0.0	M	100.5
10/15/22 8:00	4.6	298	-5.8	87.2	19.0	0.0	M	100.9
10/15/22 9:00	5.1	291	-4.6	84.5	80.0	0.0	M	101.3
10/15/22 10:00	5.8	293	-3.5	82.0	121.2	1.0	M	101.6
10/15/22 11:00	7.4	290	-3.0	82.3	92.3	0.0	M	101.5
10/15/22 12:00	8.4	291	-2.2	78.5	96.1	0.0	M	101.5
10/15/22 13:00	8.1	292	-2.3	81.7	65.8	0.0	M	101.4
10/15/22 14:00	11.0	273	-1.9	80.8	110.6	0.0	M	101.4
10/15/22 15:00	11.6	273	-1.8	79.3	94.5	0.0	M	101.5
10/15/22 16:00	11.4	281	-2.4	75.7	42.2	0.0	M	101.5
10/15/22 17:00	11.3	289	-3.5	81.6	6.7	0.0	M	101.6
10/15/22 18:00	9.8	295	-4.5	88.9	0.1	0.0	M	101.7
10/15/22 19:00	7.5	305	-4.9	86.9	0.0	0.0	M	101.8
10/15/22 20:00	7.6	303	-5.6	80.9	0.0	0.0	M	101.8
10/15/22 21:00	7.3	294	-6.0	82.4	0.0	0.0	M	101.9
10/15/22 22:00	4.6	303	-6.2	83.1	0.0	0.0	M	101.9
10/15/22 23:00	6.5	293	-5.6	77.4	0.0	0.0	M	101.9
10/16/22 0:00	5.4	300	-5.7	73.8	0.0	0.0	M	102.0
10/16/22 1:00	5.5	295	-5.5	72.0	0.0	0.0	M	102.1
10/16/22 2:00	3.8	308	-4.7	72.0	0.0	0.0	M	102.1
10/16/22 3:00	3.0	310	-4.7	73.2	0.0	0.0	M	102.1
10/16/22 4:00	3.6	215	-5.8	83.0	0.0	0.0	M	102.1
10/16/22 5:00	4.1	200	-6.1	90.6	0.0	0.0	M	102.1
10/16/22 6:00	5.8	211	-5.5	90.7	0.0	0.0	M	102.1
10/16/22 7:00	4.4	314	-4.8	84.9	0.2	0.0	M	102.1
10/16/22 8:00	3.7	316	-5.8	81.3	7.5	0.0	M	102.2
10/16/22 9:00	3.1	296	-6.6	78.3	78.8	0.0	M	102.2
10/16/22 10:00	3.8	306	-6.1	76.2	142.1	1.0	M	102.3
10/16/22 11:00	2.9	298	-6.2	69.1	184.8	1.0	M	102.3
10/16/22 12:00	1.3	360	-5.4	61.8	210.2	1.0	M	102.3
10/16/22 13:00	0.5	115	-4.6	60.5	209.0	1.0	M	102.4
10/16/22 14:00	0.5	115	-5.6	67.2	181.4	1.0	M	102.4
10/16/22 15:00	0.8	150	-6.3	67.9	132.8	1.0	M	102.3
10/16/22 16:00	0.8	111	-8.0	74.0	64.4	0.0	M	102.3
10/16/22 17:00	0.7	113	-10.0	85.1	5.4	0.0	M	102.2
10/16/22 18:00	1.1	132	-10.2	89.6	0.0	0.0	M	102.2
10/16/22 19:00	2.4	137	-10.9	91.9	0.0	0.0	M	102.2
10/16/22 20:00	2.2	137	-11.8	93.1	0.0	0.0	M	102.2
10/16/22 21:00	2.4	129	-12.0	93.3	0.0	0.0	M	102.1
10/16/22 22:00	2.2	133	-11.9	92.8	0.0	0.0	M	102.1
10/16/22 23:00	2.0	130	-12.2	92.5	0.0	0.0	M	102.1
10/17/22 0:00	2.0	104	-11.9	92.6	0.0	0.0	M	102.0
10/17/22 1:00	2.7	110	-11.5	92.9	0.0	0.0	M	102.0
10/17/22 2:00	3.6	129	-10.9	93.3	0.0	0.0	M	101.9
10/17/22 3:00	3.7	123	-11.0	93.4	0.0	0.0	M	101.8
10/17/22 4:00	3.6	114	-9.9	93.9	0.0	0.0	M	101.8
10/17/22 5:00	4.6	118	-10.2	93.7	0.0	0.0	M	101.7
10/17/22 6:00	5.9	122	-9.7	94.3	0.0	0.0	M	101.6
10/17/22 7:00	8.0	115	-8.1	95.4	0.2	0.0	M	101.5
10/17/22 8:00	9.8	109	-7.2	95.0	6.8	0.0	M	101.4
10/17/22 9:00	10.4	112	-6.7	91.4	27.6	0.0	M	101.4
10/17/22 10:00	10.6	115	-6.2	90.1	61.5	0.0	M	101.3
10/17/22 11:00	10.5	115	-5.5	87.9	97.6	0.0	M	101.2
10/17/22 12:00	10.8	116	-5.2	87.3	86.9	0.0	M	101.1
10/17/22 13:00	10.4	115	-4.9	88.2	74.3	0.0	M	101.1
10/17/22 14:00	9.8	109	-4.6	89.0	37.7	0.0	M	101.0
10/17/22 15:00	10.9	112	-4.4	91.0	36.9	0.0	M	100.8
10/17/22 16:00	12.0	111	-4.1	92.4	17.5	0.0	M	100.7
10/17/22 17:00	12.7	111	-3.8	93.5	1.5	0.0	M	100.6
10/17/22 18:00	12.2	107	-3.5	94.2	0.0	0.0	M	100.6
10/17/22 19:00	12.3	105	-3.0	93.7	0.0	0.0	M	100.4
10/17/22 20:00	12.4	108	-2.5	92.9	0.0	0.0	M	100.3
10/17/22 21:00	12.1	110	-2.1	92.0	0.0	0.0	M	100.2
10/17/22 22:00	12.0	113	-1.9	92.5	0.0	0.0	M	100.1
10/17/22 23:00	11.2	117	-1.5	91.7	0.0	0.0	M	100.1
10/18/22 0:00	10.3	112	-1.3	90.5	0.0	0.0	M	100.0

10/18/22 1:00	10.2	108	-1.4	90.4	0.0	0.0	M	99.8
10/18/22 2:00	11.2	108	-1.5	91.0	0.0	0.0	M	99.7
10/18/22 3:00	11.6	108	-1.6	91.3	0.0	0.0	M	99.6
10/18/22 4:00	10.8	108	-1.3	91.5	0.0	0.0	M	99.6
10/18/22 5:00	10.4	113	-1.0	91.1	0.0	0.0	M	99.5
10/18/22 6:00	9.4	108	-1.1	91.9	0.0	0.0	M	99.5
10/18/22 7:00	8.1	103	-1.1	94.0	0.0	0.0	M	99.4
10/18/22 8:00	6.4	102	-0.9	94.5	3.1	0.0	M	99.3
10/18/22 9:00	1.9	129	-0.8	94.4	15.3	0.0	M	99.3
10/18/22 10:00	1.5	135	-0.7	94.3	15.5	0.0	M	99.3
10/18/22 11:00	1.4	193	-0.2	94.3	45.5	0.0	M	99.4
10/18/22 12:00	3.3	249	0.3	94.5	50.2	0.0	M	99.3
10/18/22 13:00	9.8	266	1.0	96.7	43.5	0.0	M	99.3
10/18/22 14:00	12.2	274	1.0	96.2	27.5	0.0	M	99.3
10/18/22 15:00	13.3	273	1.0	95.8	17.6	0.0	M	99.3
10/18/22 16:00	14.8	275	0.9	92.8	9.6	0.0	M	99.5
10/18/22 17:00	14.0	274	0.8	91.7	2.3	0.0	M	99.5
10/18/22 18:00	15.9	277	0.8	88.8	0.0	0.0	M	99.6
10/18/22 19:00	15.3	277	0.7	88.0	0.0	0.0	M	99.7
10/18/22 20:00	15.3	276	0.3	87.1	0.0	0.0	M	99.8
10/18/22 21:00	16.8	281	-0.2	84.8	0.0	0.0	M	99.9
10/18/22 22:00	16.5	283	-0.4	83.7	0.0	0.0	M	99.7
10/18/22 23:00	16.9	280	-0.3	82.6	0.0	0.0	M	100.1
10/19/22 0:00	15.8	282	-0.6	81.8	0.0	0.0	M	100.1
10/19/22 1:00	15.9	284	-0.5	83.2	0.0	0.0	M	100.1
10/19/22 2:00	14.2	278	-0.1	88.9	0.0	0.0	M	100.2
10/19/22 3:00	14.2	273	0.1	93.5	0.0	0.0	M	100.2
10/19/22 4:00	14.8	268	0.3	90.3	0.0	0.0	M	100.3
10/19/22 5:00	12.5	271	0.2	86.1	0.0	0.0	M	100.3
10/19/22 6:00	8.8	291	-0.6	88.7	0.0	0.0	M	100.5
10/19/22 7:00	6.1	297	-1.6	91.8	0.0	0.0	M	100.5
10/19/22 8:00	5.0	304	-1.7	90.3	7.2	0.0	M	100.4
10/19/22 9:00	4.8	314	-1.9	90.1	33.6	0.0	M	100.4
10/19/22 10:00	4.7	321	-2.0	90.7	59.9	0.0	M	100.3
10/19/22 11:00	3.1	289	-2.3	91.8	66.0	0.0	M	100.3
10/19/22 12:00	2.3	302	-2.2	91.5	73.4	0.0	M	100.3
10/19/22 13:00	1.9	0	-2.5	91.8	76.1	0.0	M	100.2
10/19/22 14:00	0.6	238	-2.2	89.9	48.9	0.0	M	100.1
10/19/22 15:00	2.6	32	-2.9	92.9	19.4	0.0	M	100.0
10/19/22 16:00	3.9	42	-3.5	94.8	11.2	0.0	M	99.9
10/19/22 17:00	5.3	51	-4.7	96.0	1.3	0.0	M	99.8
10/19/22 18:00	4.3	54	-5.2	96.6	0.0	0.0	M	99.7
10/19/22 19:00	6.6	69	-5.4	95.3	0.0	0.0	M	99.7
10/19/22 20:00	6.7	74	-5.4	94.7	0.0	0.0	M	99.6
10/19/22 21:00	7.2	75	-5.0	95.4	0.0	0.0	M	99.5
10/19/22 22:00	7.7	70	-5.2	94.8	0.0	0.0	M	99.5
10/19/22 23:00	8.5	60	-5.3	94.2	0.0	0.0	M	99.4
10/20/22 0:00	7.2	57	-5.5	94.0	0.0	0.0	M	99.4
10/20/22 1:00	6.3	62	-5.2	93.6	0.0	0.0	M	99.3
10/20/22 2:00	6.9	60	-4.8	93.8	0.0	0.0	M	99.3
10/20/22 3:00	6.2	55	-4.6	94.5	0.0	0.0	M	99.3
10/20/22 4:00	6.6	48	-4.5	94.9	0.0	0.0	M	99.3
10/20/22 5:00	5.8	41	-4.5	93.9	0.0	0.0	M	99.4
10/20/22 6:00	5.1	32	-4.5	94.7	0.0	0.0	M	99.4
10/20/22 7:00	4.9	23	-4.3	95.3	0.0	0.0	M	99.4
10/20/22 8:00	4.2	18	-4.2	95.1	2.1	0.0	M	99.5
10/20/22 9:00	4.4	10	-4.0	94.3	30.2	0.0	M	99.5
10/20/22 10:00	5.8	5	-4.0	93.3	57.4	0.0	M	99.5
10/20/22 11:00	6.6	7	-4.3	92.3	64.4	0.0	M	99.5
10/20/22 12:00	6.0	341	-4.6	92.5	68.2	0.0	M	99.5
10/20/22 13:00	4.9	339	-5.0	90.3	77.5	0.0	M	99.5
10/20/22 14:00	5.0	339	-4.9	91.7	57.7	0.0	M	99.5
10/20/22 15:00	6.0	322	-4.7	92.1	30.7	0.0	M	99.5
10/20/22 16:00	5.7	319	-4.4	90.9	11.8	0.0	M	99.5
10/20/22 17:00	4.7	304	-4.2	94.5	2.1	0.0	M	99.5
10/20/22 18:00	5.3	309	-3.5	95.7	0.0	0.0	M	99.5
10/20/22 19:00	5.0	337	-3.3	88.7	0.0	0.0	M	99.5
10/20/22 20:00	3.8	307	-3.6	93.9	0.0	0.0	M	99.5
10/20/22 21:00	4.5	332	-3.7	92.9	0.0	0.0	M	99.5
10/20/22 22:00	4.9	343	-4.3	89.7	0.0	0.0	M	99.5
10/20/22 23:00	2.9	320	-4.0	88.4	0.0	0.0	M	99.5
10/21/22 0:00	4.5	300	-3.8	96.4	0.0	0.0	M	99.4
10/21/22 1:00	4.6	307	-3.6	95.2	0.0	0.0	M	99.4
10/21/22 2:00	6.0	323	-3.1	92.8	0.0	0.0	M	99.4
10/21/22 3:00	5.4	327	-2.9	93.7	0.0	0.0	M	99.3
10/21/22 4:00	5.0	337	-2.7	95.5	0.0	0.0	M	99.3
10/21/22 5:00	5.6	347	-2.7	93.3	0.0	0.0	M	99.4
10/21/22 6:00	5.0	340	-2.8	93.0	0.0	0.0	M	99.3
10/21/22 7:00	4.8	337	-2.9	92.7	0.0	0.0	M	99.4
10/21/22 8:00	5.2	343	-2.8	93.0	2.8	0.0	M	99.4
10/21/22 9:00	7.6	31	-3.4	91.6	19.6	0.0	M	99.4
10/21/22 10:00	5.7	23	-3.7	93.6	38.2	0.0	M	99.4
10/21/22 11:00	7.1	20	-3.4	90.9	46.7	0.0	M	99.4

10/21/22 12:00	7.0	15	-3.2	89.4	60.3	0.0	M	99.5
10/21/22 13:00	7.7	13	-3.1	92.8	69.3	0.0	M	99.5
10/21/22 14:00	8.8	15	-3.6	91.9	58.0	0.0	M	99.6
10/21/22 15:00	8.0	4	-4.0	90.3	33.7	0.0	M	99.6
10/21/22 16:00	7.5	4	-4.2	89.7	13.3	0.0	M	99.7
10/21/22 17:00	7.1	358	-4.1	91.2	1.4	0.0	M	99.7
10/21/22 18:00	8.1	5	-4.0	94.8	0.0	0.0	M	99.8
10/21/22 19:00	7.7	10	-4.6	93.2	0.0	0.0	M	99.8
10/21/22 20:00	7.2	5	-5.0	90.3	0.0	0.0	M	99.8
10/21/22 21:00	7.3	3	-5.6	88.1	0.0	0.0	M	99.9
10/21/22 22:00	7.4	0	-5.5	85.2	0.0	0.0	M	99.9
10/21/22 23:00	7.6	350	-5.6	86.6	0.0	0.0	M	100.0
10/22/22 0:00	7.4	346	-6.8	87.7	0.0	0.0	M	100.1
10/22/22 1:00	7.4	348	-7.0	89.2	0.0	0.0	M	100.1
10/22/22 2:00	7.0	331	-7.0	89.6	0.0	0.0	M	100.1
10/22/22 3:00	7.6	329	-7.6	90.0	0.0	0.0	M	100.2
10/22/22 4:00	7.2	330	-8.4	90.4	0.0	0.0	M	100.3
10/22/22 5:00	8.1	332	-9.6	89.5	0.0	0.0	M	100.3
10/22/22 6:00	7.8	333	-9.5	89.9	0.0	0.0	M	100.3
10/22/22 7:00	7.7	319	-9.4	90.9	0.0	0.0	M	100.3
10/22/22 8:00	6.6	324	-9.6	90.5	2.5	0.0	M	100.4
10/22/22 9:00	6.4	322	-10.2	90.3	17.4	0.0	M	100.4
10/22/22 10:00	6.1	307	-11.0	89.4	47.4	0.0	M	100.5
10/22/22 11:00	7.0	299	-11.4	86.7	92.0	0.0	M	100.6
10/22/22 12:00	6.3	303	-12.2	84.8	116.6	0.0	M	100.6
10/22/22 13:00	5.3	306	-12.6	84.1	137.7	1.0	M	100.7
10/22/22 14:00	5.5	309	-13.1	85.9	59.1	0.0	M	100.7
10/22/22 15:00	7.5	296	-13.4	84.3	38.6	0.0	M	100.7
10/22/22 16:00	6.9	308	-14.1	85.9	10.6	0.0	M	100.7
10/22/22 17:00	7.7	307	-13.2	85.2	1.4	0.0	M	100.7
10/22/22 18:00	7.9	309	-12.7	81.8	0.0	0.0	M	100.8
10/22/22 19:00	10.2	295	-11.7	75.6	0.0	0.0	M	100.7
10/22/22 20:00	10.9	293	-11.8	75.6	0.0	0.0	M	100.7
10/22/22 21:00	11.6	294	-11.7	75.0	0.0	0.0	M	100.7
10/22/22 22:00	11.8	295	-11.6	74.3	0.0	0.0	M	100.8
10/22/22 23:00	10.8	296	-11.8	75.4	0.0	0.0	M	100.8
10/23/22 0:00	10.1	295	-11.6	74.7	0.0	0.0	M	100.8
10/23/22 1:00	10.8	297	-11.3	76.1	0.0	0.0	M	100.8
10/23/22 2:00	10.7	294	-11.3	78.2	0.0	0.0	M	100.9
10/23/22 3:00	9.2	292	-11.6	82.6	0.0	0.0	M	100.9
10/23/22 4:00	9.0	298	-11.7	82.6	0.0	0.0	M	100.9
10/23/22 5:00	7.7	311	-11.7	83.3	0.0	0.0	M	101.0
10/23/22 6:00	6.7	312	-11.5	83.2	0.0	0.0	M	101.0
10/23/22 7:00	5.9	302	-11.2	82.5	0.0	0.0	M	101.1
10/23/22 8:00	6.2	296	-10.3	81.1	3.0	0.0	M	101.1
10/23/22 9:00	6.3	283	-9.0	78.7	20.1	0.0	M	101.0
10/23/22 10:00	8.5	274	-8.4	73.9	60.5	0.0	M	101.0
10/23/22 11:00	7.5	270	-7.7	74.7	115.7	0.0	M	101.0
10/23/22 12:00	7.6	270	-6.9	72.0	70.9	0.0	M	101.0
10/23/22 13:00	2.5	292	-7.7	83.3	72.9	0.0	M	101.0
10/23/22 14:00	5.8	287	-6.8	79.2	61.8	0.0	M	101.0
10/23/22 15:00	4.5	303	-7.3	82.5	51.0	0.0	M	101.0
10/23/22 16:00	3.9	305	-7.8	86.6	11.8	0.0	M	101.0
10/23/22 17:00	3.5	294	-7.3	88.2	0.9	0.0	M	101.0
10/23/22 18:00	3.7	303	-7.5	89.6	0.0	0.0	M	101.0
10/23/22 19:00	3.3	297	-7.6	88.4	0.0	0.0	M	101.0
10/23/22 20:00	6.3	267	-6.9	83.9	0.0	0.0	M	100.9
10/23/22 21:00	4.8	252	-7.1	86.4	0.0	0.0	M	100.9
10/23/22 22:00	4.7	236	-7.1	90.2	0.0	0.0	M	100.9
10/23/22 23:00	5.5	272	-6.3	87.0	0.0	0.0	M	100.9
10/24/22 0:00	6.3	264	-6.0	81.8	0.0	0.0	M	100.8
10/24/22 1:00	4.6	250	-6.3	93.1	0.0	0.0	M	100.8
10/24/22 2:00	2.0	306	-6.3	95.6	0.0	0.0	M	100.8
10/24/22 3:00	2.7	325	-6.9	95.3	0.0	0.0	M	100.8
10/24/22 4:00	2.0	315	-7.2	95.3	0.0	0.0	M	100.8
10/24/22 5:00	1.1	268	-7.7	95.0	0.0	0.0	M	100.8
10/24/22 6:00	0.6	149	-7.8	95.0	0.0	0.0	M	100.8
10/24/22 7:00	1.9	232	-7.5	95.3	0.0	0.0	M	100.8
10/24/22 8:00	1.6	281	-7.4	95.1	1.6	0.0	M	100.8
10/24/22 9:00	4.3	337	-8.7	93.6	19.0	0.0	M	100.8
10/24/22 10:00	3.5	347	-9.0	92.0	59.5	0.0	M	100.8
10/24/22 11:00	0.7	94	-8.7	91.5	77.4	0.0	M	100.8
10/24/22 12:00	1.2	42	-9.4	91.4	56.4	0.0	M	100.8
10/24/22 13:00	0.7	50	-8.9	91.8	45.6	0.0	M	100.8
10/24/22 14:00	1.5	69	-9.5	92.6	33.0	0.0	M	100.8
10/24/22 15:00	1.4	75	-9.7	92.8	21.1	0.0	M	100.8
10/24/22 16:00	2.2	68	-10.4	92.8	5.0	0.0	M	100.8
10/24/22 17:00	2.4	65	-10.8	93.0	0.3	0.0	M	100.8
10/24/22 18:00	2.3	37	-10.9	92.8	0.0	0.0	M	100.9
10/24/22 19:00	2.5	30	-11.1	92.6	0.0	0.0	M	100.9
10/24/22 20:00	2.3	63	-12.1	91.8	0.0	0.0	M	100.8
10/24/22 21:00	0.6	84	-12.0	91.9	0.0	0.0	M	100.9
10/24/22 22:00	1.0	57	-12.2	91.9	0.0	0.0	M	100.9

10/24/22 23:00	0.5	67	-12.1	91.8	0.0	0.0	M	100.9
10/25/22 0:00	1.1	86	-12.0	91.9	0.0	0.0	M	100.9
10/25/22 1:00	0.9	57	-12.0	92.0	0.0	0.0	M	100.9
10/25/22 2:00	1.6	310	-11.6	92.0	0.0	0.0	M	100.9
10/25/22 3:00	2.7	20	-11.5	92.1	0.0	0.0	M	101.0
10/25/22 4:00	1.3	53	-11.8	92.2	0.0	0.0	M	101.0
10/25/22 5:00	1.7	49	-12.1	91.9	0.0	0.0	M	101.0
10/25/22 6:00	1.8	46	-12.3	91.9	0.0	0.0	M	101.0
10/25/22 7:00	2.6	70	-12.3	91.5	0.0	0.0	M	101.0
10/25/22 8:00	1.8	149	-12.3	90.8	0.6	0.0	M	101.0
10/25/22 9:00	1.7	136	-12.4	92.0	5.7	0.0	M	101.0
10/25/22 10:00	1.5	139	-12.4	91.5	16.2	0.0	M	101.0
10/25/22 11:00	1.8	119	-11.8	92.4	28.4	0.0	M	101.0
10/25/22 12:00	1.3	102	-12.3	91.9	30.9	0.0	M	101.0
10/25/22 13:00	1.3	101	-12.2	91.7	33.1	0.0	M	101.0
10/25/22 14:00	1.3	108	-12.0	91.8	25.5	0.0	M	100.9
10/25/22 15:00	1.8	101	-12.1	91.5	17.1	0.0	M	100.9
10/25/22 16:00	4.5	291	-12.0	85.8	6.4	0.0	M	100.9
10/25/22 17:00	3.8	335	-12.3	85.5	0.2	0.0	M	100.9
10/25/22 18:00	4.2	354	-12.7	83.5	0.0	0.0	M	100.9
10/25/22 19:00	3.7	6	-13.3	85.5	0.0	0.0	M	100.8
10/25/22 20:00	1.6	48	-13.4	83.3	0.0	0.0	M	100.8
10/25/22 21:00	2.1	39	-13.2	84.1	0.0	0.0	M	100.8
10/25/22 22:00	2.2	33	-13.4	84.1	0.0	0.0	M	100.8
10/25/22 23:00	1.5	112	-13.7	87.4	0.0	0.0	M	100.7
10/26/22 0:00	2.0	147	-14.0	90.1	0.0	0.0	M	100.7
10/26/22 1:00	2.1	146	-14.2	90.5	0.0	0.0	M	100.7
10/26/22 2:00	0.9	62	-14.4	89.8	0.0	0.0	M	100.6
10/26/22 3:00	1.5	338	-14.4	89.3	0.0	0.0	M	100.6
10/26/22 4:00	2.9	328	-14.2	89.6	0.0	0.0	M	100.6
10/26/22 5:00	3.1	329	-14.5	89.9	0.0	0.0	M	100.6
10/26/22 6:00	4.4	321	-14.9	87.7	0.0	0.0	M	100.5
10/26/22 7:00	4.3	322	-15.4	86.2	0.0	0.0	M	100.5
10/26/22 8:00	3.7	333	-15.6	88.3	0.6	0.0	M	100.4
10/26/22 9:00	4.2	337	-16.0	89.6	5.2	0.0	M	100.4
10/26/22 10:00	3.5	333	-16.2	89.3	16.7	0.0	M	100.3
10/26/22 11:00	3.0	339	-16.0	89.2	27.9	0.0	M	100.3
10/26/22 12:00	3.2	352	-16.1	89.0	32.9	0.0	M	100.2
10/26/22 13:00	2.4	27	-16.3	89.0	32.5	0.0	M	100.2
10/26/22 14:00	2.3	41	-16.4	88.9	24.5	0.0	M	100.2
10/26/22 15:00	1.8	81	-16.7	88.8	13.3	0.0	M	100.1
10/26/22 16:00	1.2	79	-16.9	88.6	3.2	0.0	M	100.1
10/26/22 17:00	1.5	85	-16.9	88.6	0.1	0.0	M	100.1
10/26/22 18:00	1.7	84	-16.9	88.5	0.0	0.0	M	100.0
10/26/22 19:00	1.7	60	-17.2	88.2	0.0	0.0	M	100.0
10/26/22 20:00	1.6	75	-17.1	88.4	0.0	0.0	M	99.9
10/26/22 21:00	1.6	62	-16.6	88.7	0.0	0.0	M	99.9
10/26/22 22:00	2.2	90	-15.6	89.6	0.0	0.0	M	99.8
10/26/22 23:00	1.6	87	-16.8	88.2	0.0	0.0	M	99.8
10/27/22 0:00	1.1	72	-17.9	87.6	0.0	0.0	M	99.7
10/27/22 1:00	1.2	69	-17.7	87.8	0.0	0.0	M	99.7
10/27/22 2:00	2.0	64	-17.6	87.8	0.0	0.0	M	99.7
10/27/22 3:00	1.7	61	-17.5	88.0	0.0	0.0	M	99.6
10/27/22 4:00	1.5	70	-17.1	88.3	0.0	0.0	M	99.6
10/27/22 5:00	2.4	73	-16.9	88.4	0.0	0.0	M	99.5
10/27/22 6:00	4.1	60	-16.7	88.7	0.0	0.0	M	99.5
10/27/22 7:00	4.7	69	-16.1	89.3	0.0	0.0	M	99.4
10/27/22 8:00	5.6	65	-15.7	89.5	0.4	0.0	M	99.4
10/27/22 9:00	4.6	61	-16.2	88.9	4.1	0.0	M	99.4
10/27/22 10:00	3.7	64	-16.1	89.2	19.2	0.0	M	99.4
10/27/22 11:00	2.8	73	-15.9	89.1	48.0	0.0	M	99.3
10/27/22 12:00	4.2	86	-14.3	90.7	52.4	0.0	M	99.3
10/27/22 13:00	5.3	75	-13.2	91.3	32.6	0.0	M	99.3
10/27/22 14:00	5.2	53	-12.8	91.5	23.1	0.0	M	99.3
10/27/22 15:00	5.0	44	-12.3	91.3	12.4	0.0	M	99.2
10/27/22 16:00	10.1	51	-10.7	91.8	3.8	0.0	M	99.1
10/27/22 17:00	11.7	50	-10.8	89.5	0.4	0.0	M	99.2
10/27/22 18:00	11.2	43	-10.7	89.1	0.0	0.0	M	99.2
10/27/22 19:00	10.8	43	-10.5	88.6	0.0	0.0	M	99.2
10/27/22 20:00	11.3	43	-10.8	86.6	0.0	0.0	M	99.1
10/27/22 21:00	11.7	41	-10.8	85.6	0.0	0.0	M	99.2
10/27/22 22:00	11.1	35	-10.9	86.0	0.0	0.0	M	99.2
10/27/22 23:00	10.6	30	-10.7	85.8	0.0	0.0	M	99.2
10/28/22 0:00	11.9	36	-10.5	88.0	0.0	0.0	M	99.2
10/28/22 1:00	11.7	35	-11.1	86.5	0.0	0.0	M	99.2
10/28/22 2:00	10.9	36	-11.4	86.9	0.0	0.0	M	99.2
10/28/22 3:00	12.2	39	-11.6	87.0	0.0	0.0	M	99.2
10/28/22 4:00	13.0	33	-12.0	86.7	0.0	0.0	M	99.1
10/28/22 5:00	13.2	34	-12.0	86.4	0.0	0.0	M	99.1
10/28/22 6:00	12.5	33	-11.8	86.4	0.0	0.0	M	99.2
10/28/22 7:00	11.2	29	-11.8	85.3	0.0	0.0	M	99.3
10/28/22 8:00	10.2	25	-12.4	85.5	0.8	0.0	M	99.3
10/28/22 9:00	9.4	25	-12.6	85.3	11.8	0.0	M	99.4

10/28/22 10:00	10.9	21	-12.7	85.2	68.0	0.0	M	99.4
10/28/22 11:00	12.0	24	-12.4	84.8	101.7	0.0	M	99.4
10/28/22 12:00	10.8	17	-12.4	84.2	109.6	0.0	M	99.5
10/28/22 13:00	10.1	13	-12.8	84.0	97.4	0.0	M	99.6
10/28/22 14:00	8.7	4	-13.1	84.6	116.3	0.0	M	99.7
10/28/22 15:00	10.0	2	-13.7	85.7	60.4	0.0	M	99.7
10/28/22 16:00	8.2	359	-13.8	86.7	8.3	0.0	M	99.8
10/28/22 17:00	6.4	358	-13.4	85.7	0.2	0.0	M	99.8
10/28/22 18:00	6.0	356	-13.3	85.4	0.0	0.0	M	99.8
10/28/22 19:00	7.3	356	-13.0	86.4	0.0	0.0	M	99.9
10/28/22 20:00	7.0	358	-12.9	86.0	0.0	0.0	M	99.9
10/28/22 21:00	6.3	358	-13.1	86.0	0.0	0.0	M	100.0
10/28/22 22:00	6.2	354	-12.8	87.1	0.0	0.0	M	100.0
10/28/22 23:00	6.5	359	-12.4	87.9	0.0	0.0	M	100.1
10/29/22 0:00	7.3	4	-13.1	86.0	0.0	0.0	M	100.1
10/29/22 1:00	6.5	1	-13.9	87.3	0.0	0.0	M	100.1
10/29/22 2:00	7.0	353	-14.2	83.3	0.0	0.0	M	100.2
10/29/22 3:00	5.9	351	-14.5	83.6	0.0	0.0	M	100.2
10/29/22 4:00	5.1	3	-14.0	83.5	0.0	0.0	M	100.3
10/29/22 5:00	3.5	3	-13.4	84.9	0.0	0.0	M	100.3
10/29/22 6:00	3.4	340	-13.0	84.3	0.0	0.0	M	100.3
10/29/22 7:00	4.2	301	-12.9	85.5	0.0	0.0	M	100.3
10/29/22 8:00	5.0	305	-13.2	85.8	0.5	0.0	M	100.3
10/29/22 9:00	4.9	301	-13.8	85.5	7.4	0.0	M	100.3
10/29/22 10:00	4.7	317	-14.1	82.9	29.4	0.0	M	100.3
10/29/22 11:00	4.3	316	-14.5	82.1	50.3	0.0	M	100.4
10/29/22 12:00	4.3	301	-15.1	83.4	61.6	0.0	M	100.4
10/29/22 13:00	3.8	307	-15.5	84.5	57.6	0.0	M	100.5
10/29/22 14:00	4.4	319	-15.6	83.5	68.3	0.0	M	100.5
10/29/22 15:00	4.0	325	-16.1	83.7	34.6	0.0	M	100.6
10/29/22 16:00	3.4	334	-16.4	85.4	5.3	0.0	M	100.5
10/29/22 17:00	2.8	340	-16.3	87.3	0.1	0.0	M	100.5
10/29/22 18:00	3.2	333	-16.2	88.2	0.0	0.0	M	100.5
10/29/22 19:00	2.9	341	-16.3	89.3	0.0	0.0	M	100.5
10/29/22 20:00	3.1	342	-16.5	89.5	0.0	0.0	M	100.5
10/29/22 21:00	2.2	341	-16.5	89.2	0.0	0.0	M	100.5
10/29/22 22:00	1.9	16	-16.4	88.7	0.0	0.0	M	100.5
10/29/22 23:00	2.3	20	-16.5	88.4	0.0	0.0	M	100.5
10/30/22 0:00	2.4	326	-16.2	88.8	0.0	0.0	M	100.5
10/30/22 1:00	3.2	286	-16.0	89.0	0.0	0.0	M	100.5
10/30/22 2:00	2.8	316	-16.0	88.9	0.0	0.0	M	100.5
10/30/22 3:00	3.0	294	-16.0	88.9	0.0	0.0	M	100.5
10/30/22 4:00	2.9	299	-16.1	88.1	0.0	0.0	M	100.5
10/30/22 5:00	2.9	356	-16.3	88.0	0.0	0.0	M	100.5
10/30/22 6:00	3.1	19	-17.0	88.7	0.0	0.0	M	100.5
10/30/22 7:00	2.1	20	-17.6	88.4	0.0	0.0	M	100.5
10/30/22 8:00	1.5	20	-18.0	87.8	0.6	0.0	M	100.5
10/30/22 9:00	0.6	40	-18.3	87.1	17.0	0.0	M	100.5
10/30/22 10:00	0.2	164	-17.7	86.2	47.4	0.0	M	100.5
10/30/22 11:00	0.3	43	-17.3	85.0	77.8	0.0	M	100.5
10/30/22 12:00	0.4	49	-15.6	80.8	145.6	1.0	M	100.5
10/30/22 13:00	1.7	29	-17.4	82.9	94.9	0.0	M	100.5
10/30/22 14:00	0.9	20	-16.7	88.6	51.5	0.0	M	100.5
10/30/22 15:00	1.1	315	-15.9	88.8	21.0	0.0	M	100.5
10/30/22 16:00	3.0	329	-15.5	87.6	4.6	0.0	M	100.5
10/30/22 17:00	3.7	6	-15.9	83.4	0.1	0.0	M	100.5
10/30/22 18:00	4.1	2	-16.8	84.2	0.0	0.0	M	100.5
10/30/22 19:00	3.4	14	-17.6	82.8	0.0	0.0	M	100.5
10/30/22 20:00	2.4	13	-18.3	84.0	0.0	0.0	M	100.5
10/30/22 21:00	1.8	2	-18.6	83.8	0.0	0.0	M	100.5
10/30/22 22:00	0.6	12	-19.1	85.3	0.0	0.0	M	100.6
10/30/22 23:00	1.3	353	-18.7	87.1	0.0	0.0	M	100.6
10/31/22 0:00	0.5	330	-18.3	88.0	0.0	0.0	M	100.6
10/31/22 1:00	1.0	358	-18.1	87.8	0.0	0.0	M	100.6
10/31/22 2:00	2.6	311	-17.9	88.4	0.0	0.0	M	100.6
10/31/22 3:00	2.9	296	-17.5	88.5	0.0	0.0	M	100.7
10/31/22 4:00	2.6	307	-16.9	88.6	0.0	0.0	M	100.6
10/31/22 5:00	1.8	298	-16.7	88.6	0.0	0.0	M	100.6
10/31/22 6:00	2.0	282	-16.5	88.8	0.0	0.0	M	100.6
10/31/22 7:00	1.9	310	-16.5	88.8	0.0	0.0	M	100.6
10/31/22 8:00	2.2	308	-16.4	88.9	0.3	0.0	M	100.6
10/31/22 9:00	3.2	294	-16.3	88.9	7.4	0.0	M	100.7
10/31/22 10:00	4.2	293	-16.5	88.6	32.9	0.0	M	100.6
10/31/22 11:00	4.5	293	-16.0	88.7	77.0	0.0	M	100.7
10/31/22 12:00	5.0	298	-16.4	88.2	76.9	0.0	M	100.7
10/31/22 13:00	4.2	300	-17.0	87.7	84.7	0.0	M	100.7
10/31/22 14:00	3.9	322	-17.9	87.2	47.5	0.0	M	100.8
10/31/22 15:00	3.8	332	-18.4	86.9	19.9	0.0	M	100.8
10/31/22 16:00	4.5	324	-18.8	86.7	4.9	0.0	M	100.8
10/31/22 17:00	3.6	301	-19.1	86.6	0.1	0.0	M	100.8
10/31/22 18:00	2.5	293	-18.9	86.9	0.0	0.0	M	100.9
10/31/22 19:00	2.9	289	-17.5	88.1	0.0	0.0	M	100.9
10/31/22 20:00	4.8	311	-16.5	88.2	0.0	0.0	M	100.9

10/31/22 21:00	5.4	294	-16.1	88.1	0.0	0.0	M	100.9
10/31/22 22:00	6.6	294	-15.7	87.2	0.0	0.0	M	100.9
10/31/22 23:00	6.4	298	-15.1	87.5	0.0	0.0	M	101.0
11/1/22 0:00	7.1	298	-15.0	86.1	0.0	0.0	M	101.0
11/1/22 1:00	6.4	302	-14.8	85.5	0.0	0.0	M	101.0
11/1/22 2:00	6.7	317	-14.3	82.5	0.0	0.0	M	101.1
11/1/22 3:00	7.4	317	-14.4	81.3	0.0	0.0	M	101.1
11/1/22 4:00	5.7	314	-14.8	81.4	0.0	0.0	M	101.2
11/1/22 5:00	5.2	309	-14.6	81.9	0.0	0.0	M	101.2
11/1/22 6:00	5.2	303	-14.7	81.8	0.0	0.0	M	101.2
11/1/22 7:00	5.1	304	-15.3	84.0	0.0	0.0	M	101.3
11/1/22 8:00	3.7	306	-16.5	83.8	0.4	0.0	M	101.3
11/1/22 9:00	3.7	304	-16.8	83.7	12.8	0.0	M	101.4
11/1/22 10:00	2.8	298	-16.2	81.1	53.2	0.0	M	101.4
11/1/22 11:00	4.7	287	-15.4	79.7	79.9	0.0	M	101.4
11/1/22 12:00	7.4	280	-14.6	78.9	114.1	0.0	M	101.4
11/1/22 13:00	7.6	287	-15.0	81.5	101.4	0.0	M	101.4
11/1/22 14:00	8.6	297	-15.3	81.7	90.4	0.0	M	101.4
11/1/22 15:00	8.2	290	-16.0	83.0	41.5	0.0	M	101.5
11/1/22 16:00	6.9	290	-16.4	84.7	4.4	0.0	M	101.5
11/1/22 17:00	7.0	293	-16.7	84.6	0.0	0.0	M	101.6
11/1/22 18:00	7.1	292	-17.0	85.8	0.0	0.0	M	101.6
11/1/22 19:00	6.1	287	-17.2	86.6	0.0	0.0	M	101.7
11/1/22 20:00	5.9	288	-17.1	86.7	0.0	0.0	M	101.7
11/1/22 21:00	6.2	291	-16.8	87.4	0.0	0.0	M	101.7
11/1/22 22:00	6.7	292	-16.7	87.4	0.0	0.0	M	101.8
11/1/22 23:00	6.0	288	-16.6	87.6	0.0	0.0	M	101.8
11/2/22 0:00	5.9	298	-16.1	87.3	0.0	0.0	M	101.8
11/2/22 1:00	5.8	307	-15.7	85.3	0.0	0.0	M	101.9
11/2/22 2:00	5.6	295	-15.7	86.7	0.0	0.0	M	101.9
11/2/22 3:00	4.9	296	-15.7	87.9	0.0	0.0	M	101.9
11/2/22 4:00	5.7	288	-16.0	87.3	0.0	0.0	M	102.0
11/2/22 5:00	6.3	282	-15.9	87.3	0.0	0.0	M	102.0
11/2/22 6:00	6.3	285	-15.8	86.2	0.0	0.0	M	102.0
11/2/22 7:00	6.0	290	-15.8	86.5	0.0	0.0	M	102.0
11/2/22 8:00	6.7	294	-15.0	84.2	0.2	0.0	M	102.0
11/2/22 9:00	8.0	297	-14.7	81.6	5.9	0.0	M	102.0
11/2/22 10:00	8.7	300	-14.4	81.6	25.1	0.0	M	102.0
11/2/22 11:00	8.8	301	-14.8	81.9	69.5	0.0	M	102.0
11/2/22 12:00	9.3	300	-15.2	80.5	96.9	0.0	M	102.0
11/2/22 13:00	8.4	296	-15.4	79.7	102.2	0.0	M	102.0
11/2/22 14:00	8.0	298	-15.4	79.0	84.5	0.0	M	102.0
11/2/22 15:00	8.8	299	-15.9	80.0	34.5	0.0	M	102.0
11/2/22 16:00	8.7	299	-16.2	81.8	3.9	0.0	M	102.0
11/2/22 17:00	7.7	299	-16.1	81.8	0.0	0.0	M	102.0
11/2/22 18:00	5.9	285	-16.2	83.5	0.0	0.0	M	102.0
11/2/22 19:00	6.6	285	-16.1	86.2	0.0	0.0	M	102.0
11/2/22 20:00	5.8	294	-16.4	87.6	0.0	0.0	M	102.0
11/2/22 21:00	6.5	287	-16.2	88.4	0.0	0.0	M	101.9
11/2/22 22:00	6.1	288	-16.2	87.1	0.0	0.0	M	101.9
11/2/22 23:00	5.9	289	-15.5	86.7	0.0	0.0	M	101.8
11/3/22 0:00	4.9	304	-15.4	84.0	0.0	0.0	M	101.8
11/3/22 1:00	3.3	291	-15.4	84.7	0.0	0.0	M	101.8
11/3/22 2:00	2.8	290	-15.4	85.2	0.0	0.0	M	101.7
11/3/22 3:00	2.7	274	-15.0	86.6	0.0	0.0	M	101.7
11/3/22 4:00	1.6	252	-14.7	86.8	0.0	0.0	M	101.6
11/3/22 5:00	2.3	189	-14.6	87.8	0.0	0.0	M	101.5
11/3/22 6:00	2.5	173	-14.4	87.6	0.0	0.0	M	101.4
11/3/22 7:00	6.1	239	-13.0	79.2	0.0	0.0	M	101.3
11/3/22 8:00	4.6	206	-13.7	80.4	0.1	0.0	M	101.3
11/3/22 9:00	4.8	208	-14.1	80.1	5.3	0.0	M	101.2
11/3/22 10:00	5.3	210	-14.8	79.9	22.0	0.0	M	101.1
11/3/22 11:00	5.1	208	-15.1	77.4	74.1	0.0	M	101.1
11/3/22 12:00	3.3	178	-15.9	77.1	136.1	1.0	M	101.0
11/3/22 13:00	2.4	133	-17.6	82.4	111.4	0.0	M	101.0
11/3/22 14:00	2.1	140	-18.2	82.9	89.8	0.0	M	100.9
11/3/22 15:00	2.1	142	-19.5	84.7	35.4	0.0	M	100.9
11/3/22 16:00	1.9	136	-19.9	85.8	3.2	0.0	M	100.8
11/3/22 17:00	2.2	138	-20.0	85.8	0.0	0.0	M	100.8
11/3/22 18:00	1.4	144	-21.2	84.5	0.0	0.0	M	100.7
11/3/22 19:00	0.9	109	-21.8	84.1	0.0	0.0	M	100.7
11/3/22 20:00	0.6	85	-22.2	83.6	0.0	0.0	M	100.6
11/3/22 21:00	0.6	81	-22.4	83.3	0.0	0.0	M	100.6
11/3/22 22:00	0.9	105	-22.9	83.1	0.0	0.0	M	100.6
11/3/22 23:00	0.8	105	-23.2	82.9	0.0	0.0	M	100.5
11/4/22 0:00	1.1	116	-23.0	83.4	0.0	0.0	M	100.5
11/4/22 1:00	1.5	127	-23.2	83.0	0.0	0.0	M	100.5
11/4/22 2:00	1.2	129	-23.8	82.2	0.0	0.0	M	100.4
11/4/22 3:00	0.7	92	-24.3	81.7	0.0	0.0	M	100.4
11/4/22 4:00	0.9	111	-24.2	81.8	0.0	0.0	M	100.4
11/4/22 5:00	0.9	124	-24.4	81.6	0.0	0.0	M	100.4
11/4/22 6:00	0.3	92	-24.8	81.1	0.0	0.0	M	100.4
11/4/22 7:00	0.3	110	-25.1	80.7	0.0	0.0	M	100.3

11/4/22 8:00	0.5	121	-25.2	80.9	0.1	0.0	M	100.3
11/4/22 9:00	0.4	74	-25.0	80.9	4.7	0.0	M	100.3
11/4/22 10:00	0.5	70	-24.2	81.6	24.3	0.0	M	100.3
11/4/22 11:00	0.5	59	-23.2	82.4	56.0	0.0	M	100.3
11/4/22 12:00	0.5	74	-22.1	82.4	78.0	0.0	M	100.3
11/4/22 13:00	0.6	115	-22.3	82.5	109.3	0.0	M	100.3
11/4/22 14:00	0.5	105	-21.6	83.3	92.6	0.0	M	100.3
11/4/22 15:00	0.6	97	-23.4	81.8	33.6	0.0	M	100.3
11/4/22 16:00	0.8	102	-23.7	82.2	2.5	0.0	M	100.3
11/4/22 17:00	0.3	105	-24.4	81.5	0.0	0.0	M	100.3
11/4/22 18:00	0.4	93	-24.7	81.2	0.0	0.0	M	100.3
11/4/22 19:00	0.2	176	-25.3	80.7	0.0	0.0	M	100.3
11/4/22 20:00	0.3	99	-25.2	80.7	0.0	0.0	M	100.3
11/4/22 21:00	0.5	115	-25.0	81.0	0.0	0.0	M	100.3
11/4/22 22:00	0.4	125	-23.8	82.2	0.0	0.0	M	100.3
11/4/22 23:00	0.3	5	-22.4	83.3	0.0	0.0	M	100.3
11/5/22 0:00	0.2	61	-21.1	84.5	0.0	0.0	M	100.3
11/5/22 1:00	0.3	123	-19.9	85.4	0.0	0.0	M	100.3
11/5/22 2:00	0.8	340	-19.1	86.4	0.0	0.0	M	100.3
11/5/22 3:00	1.9	337	-17.5	87.3	0.0	0.0	M	100.3
11/5/22 4:00	2.6	320	-17.3	87.7	0.0	0.0	M	100.4
11/5/22 5:00	1.3	318	-17.1	87.7	0.0	0.0	M	100.4
11/5/22 6:00	1.3	293	-16.9	87.8	0.0	0.0	M	100.4
11/5/22 7:00	3.9	304	-16.3	86.5	0.0	0.0	M	100.4
11/5/22 8:00	4.1	326	-17.5	87.9	0.0	0.0	M	100.5
11/5/22 9:00	3.7	303	-18.4	87.1	2.4	0.0	M	100.6
11/5/22 10:00	3.2	329	-19.9	85.7	16.2	0.0	M	100.6
11/5/22 11:00	2.5	346	-20.4	85.3	41.7	0.0	M	100.7
11/5/22 12:00	2.3	335	-20.3	85.2	35.6	0.0	M	100.7
11/5/22 13:00	2.8	321	-20.4	85.1	33.7	0.0	M	100.8
11/5/22 14:00	3.5	324	-20.8	84.8	23.0	0.0	M	100.9
11/5/22 15:00	3.5	330	-20.9	84.8	10.0	0.0	M	101.0
11/5/22 16:00	3.7	321	-21.3	84.5	2.1	0.0	M	101.1
11/5/22 17:00	4.6	327	-21.3	84.5	0.0	0.0	M	101.2
11/5/22 18:00	3.9	315	-21.8	83.9	0.0	0.0	M	101.2
11/5/22 19:00	3.2	297	-22.3	83.7	0.0	0.0	M	101.3
11/5/22 20:00	3.9	288	-22.1	83.9	0.0	0.0	M	101.4
11/5/22 21:00	5.1	285	-21.8	84.0	0.0	0.0	M	101.4
11/5/22 22:00	5.6	290	-22.0	83.8	0.0	0.0	M	101.5
11/5/22 23:00	5.2	290	-21.9	83.6	0.0	0.0	M	101.5
11/6/22 0:00	5.4	286	-22.0	83.4	0.0	0.0	M	101.6
11/6/22 1:00	7.4	287	-21.6	83.6	0.0	0.0	M	101.6
11/6/22 2:00	8.6	284	-21.0	83.9	0.0	0.0	M	101.6
11/6/22 3:00	7.7	282	-20.6	83.7	0.0	0.0	M	101.6
11/6/22 4:00	7.9	281	-20.5	83.8	0.0	0.0	M	101.7
11/6/22 5:00	7.9	284	-20.2	83.5	0.0	0.0	M	101.8
11/6/22 6:00	7.7	289	-20.5	82.2	0.0	0.0	M	101.8
11/6/22 7:00	7.9	291	-21.3	81.5	0.0	0.0	M	101.8
11/6/22 8:00	5.9	286	-21.9	81.8	0.0	0.0	M	101.9
11/6/22 9:00	6.4	290	-22.1	82.3	4.5	0.0	M	102.0
11/6/22 10:00	4.7	290	-21.8	80.9	23.8	0.0	M	102.0
11/6/22 11:00	4.2	288	-21.6	80.2	45.9	0.0	M	102.1
11/6/22 12:00	6.7	285	-21.4	80.0	68.1	0.0	M	102.1
11/6/22 13:00	6.2	286	-21.1	78.0	79.0	0.0	M	102.2
11/6/22 14:00	4.9	285	-21.3	79.7	48.4	0.0	M	102.2
11/6/22 15:00	6.3	286	-21.3	80.6	12.1	0.0	M	102.2
11/6/22 16:00	5.7	289	-21.4	80.4	1.7	0.0	M	102.2
11/6/22 17:00	6.8	293	-21.5	81.2	0.0	0.0	M	102.2
11/6/22 18:00	5.4	292	-21.7	81.3	0.0	0.0	M	102.3
11/6/22 19:00	4.9	286	-21.6	81.4	0.0	0.0	M	102.3
11/6/22 20:00	5.3	280	-21.7	81.6	0.0	0.0	M	102.4
11/6/22 21:00	5.7	281	-21.5	81.9	0.0	0.0	M	102.4
11/6/22 22:00	7.3	277	-21.2	81.9	0.0	0.0	M	102.4
11/6/22 23:00	7.1	278	-20.9	82.7	0.0	0.0	M	102.4
11/7/22 0:00	6.2	279	-20.8	83.9	0.0	0.0	M	102.4
11/7/22 1:00	6.4	281	-20.4	84.9	0.0	0.0	M	102.4
11/7/22 2:00	6.2	274	-20.3	85.4	0.0	0.0	M	102.4
11/7/22 3:00	6.1	276	-20.2	84.9	0.0	0.0	M	102.4
11/7/22 4:00	7.3	275	-19.9	85.3	0.0	0.0	M	102.4
11/7/22 5:00	6.4	282	-19.7	85.1	0.0	0.0	M	102.4
11/7/22 6:00	6.0	288	-19.6	85.9	0.0	0.0	M	102.4
11/7/22 7:00	4.5	290	-19.6	85.6	0.0	0.0	M	102.4
11/7/22 8:00	5.9	290	-19.2	86.5	0.0	0.0	M	102.5
11/7/22 9:00	5.1	290	-19.7	86.2	2.3	0.0	M	102.5
11/7/22 10:00	6.1	280	-19.2	86.0	18.6	0.0	M	102.5
11/7/22 11:00	6.4	284	-18.8	84.2	32.6	0.0	M	102.6
11/7/22 12:00	4.7	289	-17.9	82.6	33.3	0.0	M	102.6
11/7/22 13:00	4.2	293	-17.1	83.8	31.8	0.0	M	102.6
11/7/22 14:00	3.7	300	-16.5	85.3	20.2	0.0	M	102.6
11/7/22 15:00	4.2	299	-15.9	83.9	6.5	0.0	M	102.6
11/7/22 16:00	3.7	283	-15.2	83.8	0.8	0.0	M	102.6
11/7/22 17:00	5.5	294	-14.3	83.0	0.0	0.0	M	102.6
11/7/22 18:00	5.1	299	-14.6	82.7	0.0	0.0	M	102.6

11/7/22 19:00	6.1	297	-14.9	80.6	0.0	0.0	M	102.6
11/7/22 20:00	4.1	297	-16.1	82.8	0.0	0.0	M	102.6
11/7/22 21:00	3.3	311	-17.9	84.6	0.0	0.0	M	102.6
11/7/22 22:00	2.5	303	-19.5	83.9	0.0	0.0	M	102.7
11/7/22 23:00	2.3	298	-20.2	84.3	0.0	0.0	M	102.7
11/8/22 0:00	2.6	277	-20.8	85.6	0.0	0.0	M	102.7
11/8/22 1:00	3.4	275	-20.7	84.4	0.0	0.0	M	102.7
11/8/22 2:00	2.3	281	-21.1	83.2	0.0	0.0	M	102.7
11/8/22 3:00	1.7	298	-20.8	83.2	0.0	0.0	M	102.7
11/8/22 4:00	2.7	296	-20.1	80.7	0.0	0.0	M	102.7
11/8/22 5:00	1.5	314	-20.6	80.5	0.0	0.0	M	102.6
11/8/22 6:00	0.4	280	-21.3	81.8	0.0	0.0	M	102.6
11/8/22 7:00	0.6	9	-21.8	83.3	0.0	0.0	M	102.6
11/8/22 8:00	0.2	106	-21.7	84.2	0.0	0.0	M	102.6
11/8/22 9:00	1.0	153	-21.0	84.7	1.6	0.0	M	102.6
11/8/22 10:00	0.3	91	-20.6	84.6	8.4	0.0	M	102.6
11/8/22 11:00	0.4	15	-21.4	83.9	19.5	0.0	M	102.5
11/8/22 12:00	0.3	19	-20.5	82.0	48.5	0.0	M	102.5
11/8/22 13:00	0.5	41	-21.2	82.7	27.7	0.0	M	102.5
11/8/22 14:00	0.3	77	-20.6	83.6	30.3	0.0	M	102.5
11/8/22 15:00	0.3	43	-21.2	84.4	7.1	0.0	M	102.4
11/8/22 16:00	0.9	95	-21.6	84.4	0.9	0.0	M	102.4
11/8/22 17:00	1.0	113	-22.4	83.6	0.0	0.0	M	102.3
11/8/22 18:00	0.7	104	-23.2	82.7	0.0	0.0	M	102.3
11/8/22 19:00	0.9	109	-23.4	82.9	0.0	0.0	M	102.3
11/8/22 20:00	1.1	119	-23.9	82.5	0.0	0.0	M	102.3
11/8/22 21:00	1.3	119	-24.1	82.3	0.0	0.0	M	102.2
11/8/22 22:00	0.8	111	-24.5	81.6	0.0	0.0	M	102.2
11/8/22 23:00	0.9	100	-24.7	81.4	0.0	0.0	M	102.2
11/9/22 0:00	1.3	122	-24.8	81.4	0.0	0.0	M	102.2
11/9/22 1:00	0.9	118	-24.9	81.3	0.0	0.0	M	102.1
11/9/22 2:00	0.9	124	-24.8	81.5	0.0	0.0	M	102.1
11/9/22 3:00	0.8	132	-25.1	80.9	0.0	0.0	M	102.1
11/9/22 4:00	0.8	124	-25.1	81.1	0.0	0.0	M	102.1
11/9/22 5:00	0.8	101	-25.1	80.9	0.0	0.0	M	102.0
11/9/22 6:00	0.8	109	-25.1	81.0	0.0	0.0	M	102.0
11/9/22 7:00	0.8	111	-24.6	81.4	0.0	0.0	M	102.0
11/9/22 8:00	0.7	111	-25.0	80.9	0.0	0.0	M	102.0
11/9/22 9:00	0.2	105	-25.2	80.7	1.4	0.0	M	102.0
11/9/22 10:00	0.6	117	-24.5	81.3	19.0	0.0	M	102.0
11/9/22 11:00	0.6	117	-24.5	80.8	48.7	0.0	M	102.0
11/9/22 12:00	0.6	121	-23.9	81.3	71.1	0.0	M	102.0
11/9/22 13:00	0.5	114	-23.7	81.5	76.6	0.0	M	102.0
11/9/22 14:00	0.4	109	-24.2	81.2	39.4	0.0	M	102.1
11/9/22 15:00	0.4	99	-24.7	81.0	5.9	0.0	M	102.1
11/9/22 16:00	0.5	99	-24.5	81.3	0.7	0.0	M	102.1
11/9/22 17:00	0.4	95	-24.8	81.0	0.0	0.0	M	102.1
11/9/22 18:00	0.3	91	-25.1	80.7	0.0	0.0	M	102.1
11/9/22 19:00	0.3	90	-25.1	80.7	0.0	0.0	M	102.1
11/9/22 20:00	0.4	94	-25.3	80.5	0.0	0.0	M	102.1
11/9/22 21:00	0.5	110	-25.0	81.0	0.0	0.0	M	102.1
11/9/22 22:00	0.3	100	-25.5	80.2	0.0	0.0	M	102.1
11/9/22 23:00	0.2	92	-25.4	80.3	0.0	0.0	M	102.2
11/10/22 0:00	0.3	96	-25.2	80.6	0.0	0.0	M	102.2
11/10/22 1:00	0.3	115	-24.7	81.1	0.0	0.0	M	102.2
11/10/22 2:00	0.2	72	-25.1	80.5	0.0	0.0	M	102.2
11/10/22 3:00	0.0	55	-25.2	80.6	0.0	0.0	M	102.2
11/10/22 4:00	0.0	68	-25.0	80.7	0.0	0.0	M	102.3
11/10/22 5:00	0.1	71	-24.6	81.0	0.0	0.0	M	102.3
11/10/22 6:00	0.0	38	-24.5	81.2	0.0	0.0	M	102.2
11/10/22 7:00	0.3	139	-23.5	82.3	0.0	0.0	M	102.2
11/10/22 8:00	0.4	118	-23.6	82.0	0.0	0.0	M	102.3
11/10/22 9:00	0.4	94	-23.5	82.3	1.1	0.0	M	102.3
11/10/22 10:00	0.5	102	-23.5	82.0	12.9	0.0	M	102.3
11/10/22 11:00	0.4	116	-23.0	82.4	47.2	0.0	M	102.3
11/10/22 12:00	0.4	122	-22.3	83.0	63.8	0.0	M	102.3
11/10/22 13:00	1.8	131	-22.0	82.8	68.0	0.0	M	102.2
11/10/22 14:00	2.0	122	-21.9	83.2	33.4	0.0	M	102.2
11/10/22 15:00	1.4	112	-21.9	83.9	5.0	0.0	M	102.3
11/10/22 16:00	1.0	107	-21.4	83.9	0.5	0.0	M	102.2
11/10/22 17:00	1.3	116	-20.9	84.7	0.0	0.0	M	102.2
11/10/22 18:00	3.5	130	-20.6	84.6	0.0	0.0	M	102.2
11/10/22 19:00	4.2	143	-21.7	83.8	0.0	0.0	M	102.1
11/10/22 20:00	3.4	151	-21.4	84.3	0.0	0.0	M	102.1
11/10/22 21:00	2.5	140	-20.3	84.9	0.0	0.0	M	102.0
11/10/22 22:00	4.6	164	-20.4	84.0	0.0	0.0	M	102.0
11/10/22 23:00	2.2	150	-21.2	84.0	0.0	0.0	M	101.9
11/11/22 0:00	2.2	113	-20.6	84.8	0.0	0.0	M	101.9
11/11/22 1:00	4.2	164	-19.6	84.5	0.0	0.0	M	101.8
11/11/22 2:00	4.5	191	-18.4	84.0	0.0	0.0	M	101.7
11/11/22 3:00	8.3	203	-17.3	81.9	0.0	0.0	M	101.7
11/11/22 4:00	12.3	195	-17.2	81.7	0.0	0.0	M	101.4
11/11/22 5:00	13.1	195	-16.6	79.5	0.0	0.0	M	101.4

11/11/22 6:00	13.2	194	-16.5	79.1	0.0	0.0	M	101.4
11/11/22 7:00	8.3	188	-16.4	79.5	0.0	0.0	M	101.4
11/11/22 8:00	2.2	162	-15.8	79.9	0.0	0.0	M	101.3
11/11/22 9:00	6.8	176	-15.6	77.7	2.6	0.0	M	101.1
11/11/22 10:00	7.8	177	-15.4	76.0	26.4	0.0	M	101.0
11/11/22 11:00	5.4	191	-14.4	73.5	47.1	0.0	M	101.0
11/11/22 12:00	4.7	215	-13.3	70.9	77.5	0.0	M	100.9
11/11/22 13:00	6.4	180	-13.7	74.2	62.9	0.0	M	100.9
11/11/22 14:00	9.3	189	-13.6	75.9	25.1	0.0	M	100.8
11/11/22 15:00	7.8	182	-14.1	78.2	4.7	0.0	M	100.8
11/11/22 16:00	5.4	177	-13.5	79.4	0.2	0.0	M	100.7
11/11/22 17:00	8.1	196	-13.1	78.4	0.0	0.0	M	100.6
11/11/22 18:00	8.7	203	-12.6	77.8	0.0	0.0	M	100.5
11/11/22 19:00	10.5	202	-12.2	78.2	0.0	0.0	M	100.4
11/11/22 20:00	8.4	175	-11.9	79.4	0.0	0.0	M	100.4
11/11/22 21:00	8.4	188	-10.8	81.4	0.0	0.0	M	100.2
11/11/22 22:00	7.5	182	-10.6	86.3	0.0	0.0	M	100.2
11/11/22 23:00	6.7	183	-9.6	88.3	0.0	0.0	M	100.2
11/12/22 0:00	6.6	198	-8.8	87.3	0.0	0.0	M	100.1
11/12/22 1:00	6.6	202	-8.3	88.3	0.0	0.0	M	100.1
11/12/22 2:00	5.6	196	-7.7	89.7	0.0	0.0	M	100.0
11/12/22 3:00	10.9	241	-6.1	88.0	0.0	0.0	M	99.9
11/12/22 4:00	12.4	254	-6.3	91.3	0.0	0.0	M	99.9
11/12/22 5:00	11.9	266	-6.7	89.7	0.0	0.0	M	100.0
11/12/22 6:00	11.1	263	-6.7	91.8	0.0	0.0	M	100.0
11/12/22 7:00	10.9	261	-6.5	92.0	0.0	0.0	M	100.1
11/12/22 8:00	9.8	265	-6.7	91.4	0.0	0.0	M	100.1
11/12/22 9:00	9.3	262	-6.7	93.0	0.5	0.0	M	100.2
11/12/22 10:00	9.9	267	-6.7	91.5	5.8	0.0	M	100.2
11/12/22 11:00	12.2	269	-8.5	89.6	24.5	0.0	M	100.3
11/12/22 12:00	9.6	278	-11.1	88.2	62.3	0.0	M	100.4
11/12/22 13:00	10.5	273	-12.3	87.1	60.4	0.0	M	100.4
11/12/22 14:00	9.0	273	-12.6	88.3	26.5	0.0	M	100.6
11/12/22 15:00	9.4	271	-13.0	89.5	4.4	0.0	M	100.7
11/12/22 16:00	6.8	267	-13.3	89.4	0.2	0.0	M	100.7
11/12/22 17:00	7.1	261	-13.6	88.6	0.0	0.0	M	100.8
11/12/22 18:00	7.5	267	-13.8	88.2	0.0	0.0	M	100.8
11/12/22 19:00	3.5	284	-14.4	88.4	0.0	0.0	M	100.9
11/12/22 20:00	4.1	282	-14.4	88.9	0.0	0.0	M	100.9
11/12/22 21:00	1.6	314	-14.2	88.7	0.0	0.0	M	100.8
11/12/22 22:00	0.8	224	-14.1	88.4	0.0	0.0	M	100.9
11/12/22 23:00	1.1	188	-13.9	88.7	0.0	0.0	M	100.8
11/13/22 0:00	1.0	111	-13.7	90.2	0.0	0.0	M	100.8
11/13/22 1:00	1.1	97	-13.2	89.3	0.0	0.0	M	100.8
11/13/22 2:00	1.9	63	-12.6	88.5	0.0	0.0	M	100.8
11/13/22 3:00	3.2	47	-12.4	89.2	0.0	0.0	M	100.8
11/13/22 4:00	3.9	59	-12.1	89.1	0.0	0.0	M	100.7
11/13/22 5:00	3.5	99	-11.6	90.7	0.0	0.0	M	100.7
11/13/22 6:00	6.9	88	-12.1	90.0	0.0	0.0	M	100.6
11/13/22 7:00	8.7	87	-11.9	91.0	0.0	0.0	M	100.5
11/13/22 8:00	7.2	89	-11.4	91.3	0.0	0.0	M	100.5
11/13/22 9:00	6.8	86	-11.4	90.7	0.3	0.0	M	100.5
11/13/22 10:00	7.2	90	-10.7	92.2	3.8	0.0	M	100.5
11/13/22 11:00	7.0	99	-9.2	94.4	14.1	0.0	M	100.5
11/13/22 12:00	7.2	96	-8.6	93.9	20.2	0.0	M	100.4
11/13/22 13:00	6.5	92	-8.5	92.9	20.3	0.0	M	100.5
11/13/22 14:00	6.1	84	-8.6	92.1	10.5	0.0	M	100.5
11/13/22 15:00	6.2	83	-8.6	92.5	2.8	0.0	M	100.6
11/13/22 16:00	6.0	80	-8.5	92.5	0.1	0.0	M	100.6
11/13/22 17:00	5.6	82	-8.4	92.3	0.0	0.0	M	100.6
11/13/22 18:00	5.3	75	-8.3	92.4	0.0	0.0	M	100.6
11/13/22 19:00	5.0	70	-8.6	92.3	0.0	0.0	M	100.7
11/13/22 20:00	4.6	63	-9.1	91.8	0.0	0.0	M	100.8
11/13/22 21:00	4.6	65	-9.5	92.2	0.0	0.0	M	100.8
11/13/22 22:00	4.5	69	-9.6	91.3	0.0	0.0	M	100.9
11/13/22 23:00	3.5	45	-9.6	92.7	0.0	0.0	M	100.9
11/14/22 0:00	3.9	47	-9.5	94.6	0.0	0.0	M	101.0
11/14/22 1:00	3.0	56	-9.6	94.3	0.0	0.0	M	101.1
11/14/22 2:00	3.5	58	-9.8	93.6	0.0	0.0	M	101.2
11/14/22 3:00	3.8	58	-10.1	91.7	0.0	0.0	M	101.2
11/14/22 4:00	2.7	60	-10.3	90.9	0.0	0.0	M	101.3
11/14/22 5:00	3.0	67	-10.6	90.4	0.0	0.0	M	101.3
11/14/22 6:00	3.1	81	-11.1	89.9	0.0	0.0	M	101.4
11/14/22 7:00	2.7	101	-11.4	90.7	0.0	0.0	M	101.5
11/14/22 8:00	2.4	112	-11.6	92.5	0.0	0.0	M	101.5
11/14/22 9:00	2.6	122	-11.3	93.6	0.4	0.0	M	101.5
11/14/22 10:00	3.2	120	-11.0	93.9	4.4	0.0	M	101.5
11/14/22 11:00	2.4	143	-11.1	92.8	11.5	0.0	M	101.6
11/14/22 12:00	3.0	146	-11.2	92.0	17.3	0.0	M	101.6
11/14/22 13:00	3.5	140	-10.8	92.5	16.6	0.0	M	101.6
11/14/22 14:00	3.6	142	-10.0	93.2	11.1	0.0	M	101.6
11/14/22 15:00	3.4	154	-9.2	93.4	2.9	0.0	M	101.5
11/14/22 16:00	3.3	173	-8.5	95.3	0.1	0.0	M	101.5

11/14/22 17:00	4.9	165	-7.9	95.5	0.0	0.0	M	101.5
11/14/22 18:00	5.5	159	-7.5	95.8	0.0	0.0	M	101.4
11/14/22 19:00	6.1	158	-7.0	95.7	0.0	0.0	M	101.4
11/14/22 20:00	6.9	151	-7.3	93.6	0.0	0.0	M	101.3
11/14/22 21:00	5.4	146	-9.0	92.0	0.0	0.0	M	101.2
11/14/22 22:00	5.0	143	-10.2	91.0	0.0	0.0	M	101.2
11/14/22 23:00	4.7	141	-10.8	89.9	0.0	0.0	M	101.1
11/15/22 0:00	3.3	148	-11.4	89.0	0.0	0.0	M	101.1
11/15/22 1:00	3.1	148	-12.1	88.8	0.0	0.0	M	101.0
11/15/22 2:00	3.6	143	-12.0	89.0	0.0	0.0	M	101.0
11/15/22 3:00	4.3	149	-11.9	88.5	0.0	0.0	M	101.0
11/15/22 4:00	2.0	123	-11.1	89.2	0.0	0.0	M	101.0
11/15/22 5:00	1.1	154	-10.4	87.9	0.0	0.0	M	101.0
11/15/22 6:00	0.5	116	-10.0	86.7	0.0	0.0	M	101.0
11/15/22 7:00	0.8	81	-9.3	87.6	0.0	0.0	M	101.0
11/15/22 8:00	1.5	58	-9.2	90.9	0.0	0.0	M	101.1
11/15/22 9:00	2.2	283	-8.6	90.2	0.2	0.0	M	101.1
11/15/22 10:00	2.6	328	-8.6	86.7	3.6	0.0	M	101.3
11/15/22 11:00	7.3	6	-9.4	89.2	10.5	0.0	M	101.4
11/15/22 12:00	7.4	12	-9.0	91.3	13.0	0.0	M	101.5
11/15/22 13:00	9.4	13	-8.6	91.3	13.0	0.0	M	101.6
11/15/22 14:00	10.8	10	-9.4	90.5	10.8	0.0	M	101.9
11/15/22 15:00	13.4	8	-11.4	89.6	2.5	0.0	M	102.1
11/15/22 16:00	12.6	10	-13.2	88.2	0.0	0.0	M	102.4
11/15/22 17:00	12.5	3	-15.4	85.7	0.0	0.0	M	102.6
11/15/22 18:00	10.5	9	-17.0	82.5	0.0	0.0	M	102.8
11/15/22 19:00	8.7	358	-18.2	81.9	0.0	0.0	M	103.0
11/15/22 20:00	9.6	347	-18.8	80.6	0.0	0.0	M	103.2
11/15/22 21:00	8.7	335	-19.9	82.3	0.0	0.0	M	103.2
11/15/22 22:00	8.2	321	-20.2	81.0	0.0	0.0	M	103.3
11/15/22 23:00	8.9	319	-20.5	80.5	0.0	0.0	M	103.5
11/16/22 0:00	6.9	310	-20.8	80.6	0.0	0.0	M	103.6
11/16/22 1:00	6.0	280	-21.3	82.0	0.0	0.0	M	103.7
11/16/22 2:00	6.2	299	-21.4	81.5	0.0	0.0	M	103.7
11/16/22 3:00	4.6	287	-22.0	80.3	0.0	0.0	M	103.7
11/16/22 4:00	2.8	279	-22.6	80.6	0.0	0.0	M	103.7
11/16/22 5:00	7.2	275	-20.9	81.3	0.0	0.0	M	103.6
11/16/22 6:00	11.0	265	-18.9	82.6	0.0	0.0	M	103.5
11/16/22 7:00	9.8	260	-17.9	84.1	0.0	0.0	M	103.5
11/16/22 8:00	11.0	259	-16.5	87.0	0.0	0.0	M	103.4
11/16/22 9:00	10.7	257	-15.1	88.6	0.3	0.0	M	103.4
11/16/22 10:00	10.8	255	-14.5	88.6	3.8	0.0	M	103.2
11/16/22 11:00	12.6	255	-14.4	89.1	9.7	0.0	M	103.3
11/16/22 12:00	9.6	252	-14.7	88.5	16.3	0.0	M	103.2
11/16/22 13:00	11.2	258	-14.5	89.3	16.1	0.0	M	103.0
11/16/22 14:00	10.7	261	-13.7	88.9	12.2	0.0	M	103.0
11/16/22 15:00	10.6	263	-13.0	89.8	2.5	0.0	M	103.0
11/16/22 16:00	8.1	272	-12.9	88.8	0.0	0.0	M	103.0
11/16/22 17:00	5.5	282	-13.6	90.1	0.0	0.0	M	102.9
11/16/22 18:00	8.3	262	-12.5	89.0	0.0	0.0	M	102.9
11/16/22 19:00	6.8	263	-11.7	89.0	0.0	0.0	M	102.8
11/16/22 20:00	7.1	262	-11.2	90.1	0.0	0.0	M	102.7
11/16/22 21:00	6.9	260	-11.0	91.4	0.0	0.0	M	102.5
11/16/22 22:00	6.6	260	-10.4	92.2	0.0	0.0	M	102.4
11/16/22 23:00	8.7	260	-9.7	92.7	0.0	0.0	M	102.2
11/17/22 0:00	9.8	262	-9.4	93.0	0.0	0.0	M	102.0
11/17/22 1:00	8.9	262	-9.2	93.1	0.0	0.0	M	102.0
11/17/22 2:00	8.7	260	-9.4	93.0	0.0	0.0	M	101.8
11/17/22 3:00	8.6	262	-9.3	92.5	0.0	0.0	M	101.7
11/17/22 4:00	9.1	265	-9.3	92.2	0.0	0.0	M	101.6
11/17/22 5:00	8.8	262	-9.2	92.6	0.0	0.0	M	101.4
11/17/22 6:00	7.8	265	-9.1	92.4	0.0	0.0	M	101.3
11/17/22 7:00	7.3	273	-8.8	92.3	0.0	0.0	M	101.2
11/17/22 8:00	6.4	278	-8.9	93.6	0.0	0.0	M	101.1
11/17/22 9:00	5.2	275	-8.6	93.6	0.0	0.0	M	101.0
11/17/22 10:00	4.3	276	-8.4	94.3	2.7	0.0	M	100.8
11/17/22 11:00	4.1	269	-7.8	94.4	7.0	0.0	M	100.7
11/17/22 12:00	2.2	311	-7.8	94.7	14.6	0.0	M	100.7
11/17/22 13:00	3.8	37	-8.7	94.3	24.0	0.0	M	100.6
11/17/22 14:00	4.8	60	-9.8	93.0	9.4	0.0	M	100.8
11/17/22 15:00	5.4	46	-11.4	91.8	2.7	0.0	M	100.9
11/17/22 16:00	5.7	50	-14.7	89.9	0.1	0.0	M	101.1
11/17/22 17:00	5.3	51	-15.5	88.8	0.0	0.0	M	101.2
11/17/22 18:00	3.4	53	-15.4	87.9	0.0	0.0	M	101.4
11/17/22 19:00	5.7	36	-15.0	87.6	0.0	0.0	M	101.5
11/17/22 20:00	5.9	11	-15.9	85.1	0.0	0.0	M	101.6
11/17/22 21:00	6.6	353	-18.4	84.7	0.0	0.0	M	101.7
11/17/22 22:00	6.1	347	-20.1	83.9	0.0	0.0	M	101.8
11/17/22 23:00	3.4	352	-21.6	84.1	0.0	0.0	M	101.8
11/18/22 0:00	3.3	295	-23.0	83.9	0.0	0.0	M	101.8
11/18/22 1:00	3.2	242	-24.8	81.6	0.0	0.0	M	102.0
11/18/22 2:00	5.3	285	-24.6	82.0	0.0	0.0	M	101.9
11/18/22 3:00	6.1	291	-24.2	82.3	0.0	0.0	M	101.9

11/18/22 4:00	5.9	292	-24.3	82.1	0.0	0.0	M	101.9
11/18/22 5:00	4.7	290	-24.3	82.0	0.0	0.0	M	101.9
11/18/22 6:00	3.4	276	-24.4	82.0	0.0	0.0	M	101.8
11/18/22 7:00	3.7	287	-23.5	82.9	0.0	0.0	M	101.8
11/18/22 8:00	3.5	291	-22.7	83.5	0.0	0.0	M	101.8
11/18/22 9:00	2.8	291	-22.3	83.7	0.1	0.0	M	101.7
11/18/22 10:00	2.3	272	-22.4	83.6	3.7	0.0	M	101.7
11/18/22 11:00	0.8	155	-21.7	84.2	10.5	0.0	M	101.6
11/18/22 12:00	1.0	146	-21.8	84.0	16.2	0.0	M	101.5
11/18/22 13:00	0.4	247	-21.5	84.3	15.4	0.0	M	101.4
11/18/22 14:00	1.6	134	-20.9	85.0	8.2	0.0	M	101.3
11/18/22 15:00	1.1	117	-20.2	85.6	1.2	0.0	M	101.2
11/18/22 16:00	1.6	114	-19.8	85.8	0.0	0.0	M	101.1
11/18/22 17:00	1.4	109	-19.6	85.6	0.0	0.0	M	101.0
11/18/22 18:00	2.3	97	-18.7	86.7	0.0	0.0	M	100.9
11/18/22 19:00	2.6	105	-18.2	87.4	0.0	0.0	M	100.8
11/18/22 20:00	2.7	95	-18.4	87.1	0.0	0.0	M	100.7
11/18/22 21:00	3.0	93	-18.4	86.5	0.0	0.0	M	100.6
11/18/22 22:00	4.3	89	-18.3	86.8	0.0	0.0	M	100.4
11/18/22 23:00	3.9	82	-18.3	86.5	0.0	0.0	M	100.4
11/19/22 0:00	5.2	76	-18.3	86.2	0.0	0.0	M	100.3
11/19/22 1:00	5.9	75	-18.8	85.4	0.0	0.0	M	100.3
11/19/22 2:00	4.8	78	-19.8	84.6	0.0	0.0	M	100.3
11/19/22 3:00	4.2	69	-20.5	84.5	0.0	0.0	M	100.2
11/19/22 4:00	2.5	68	-21.2	84.2	0.0	0.0	M	100.2
11/19/22 5:00	1.7	80	-21.4	84.5	0.0	0.0	M	100.2
11/19/22 6:00	2.7	110	-19.8	86.7	0.0	0.0	M	100.2
11/19/22 7:00	3.8	111	-18.7	87.1	0.0	0.0	M	100.2
11/19/22 8:00	3.9	108	-18.9	86.8	0.0	0.0	M	100.2
11/19/22 9:00	3.6	107	-19.7	86.1	0.1	0.0	M	100.1
11/19/22 10:00	2.9	132	-20.9	84.7	2.8	0.0	M	100.2
11/19/22 11:00	3.0	120	-20.7	85.2	11.9	0.0	M	100.1
11/19/22 12:00	3.5	118	-20.2	85.5	19.8	0.0	M	100.1
11/19/22 13:00	3.8	133	-21.2	84.8	11.4	0.0	M	100.0
11/19/22 14:00	4.7	120	-20.9	85.0	5.2	0.0	M	100.0
11/19/22 15:00	5.6	115	-20.8	85.0	1.1	0.0	M	100.0
11/19/22 16:00	5.4	109	-20.0	86.0	0.0	0.0	M	100.0
11/19/22 17:00	5.6	101	-19.0	86.6	0.0	0.0	M	99.9
11/19/22 18:00	5.8	96	-19.4	86.2	0.0	0.0	M	100.0
11/19/22 19:00	5.4	96	-19.6	86.3	0.0	0.0	M	100.0
11/19/22 20:00	4.2	89	-20.8	84.8	0.0	0.0	M	100.0
11/19/22 21:00	3.1	85	-21.3	84.5	0.0	0.0	M	100.1
11/19/22 22:00	3.0	59	-21.5	84.3	0.0	0.0	M	100.1
11/19/22 23:00	4.3	54	-21.2	84.7	0.0	0.0	M	100.1
11/20/22 0:00	5.0	58	-21.4	84.4	0.0	0.0	M	100.2
11/20/22 1:00	5.7	56	-22.3	83.6	0.0	0.0	M	100.3
11/20/22 2:00	3.6	45	-23.5	82.3	0.0	0.0	M	100.3
11/20/22 3:00	3.3	49	-25.1	80.8	0.0	0.0	M	100.4
11/20/22 4:00	3.0	53	-26.3	79.8	0.0	0.0	M	100.5
11/20/22 5:00	2.7	39	-27.7	78.6	0.0	0.0	M	100.6
11/20/22 6:00	0.9	41	-28.7	77.4	0.0	0.0	M	100.7
11/20/22 7:00	0.8	34	-29.5	76.8	0.0	0.0	M	100.7
11/20/22 8:00	0.2	255	-29.9	76.3	0.0	0.0	M	100.8
11/20/22 9:00	0.2	323	-31.4	74.6	0.1	0.0	M	100.8
11/20/22 10:00	0.4	247	-32.3	74.1	3.3	0.0	M	100.9
11/20/22 11:00	0.3	108	-33.1	73.0	23.4	0.0	M	100.9
11/20/22 12:00	0.3	213	-32.8	72.9	34.3	0.0	M	100.9
11/20/22 13:00	0.2	96	-34.2	71.6	29.8	0.0	M	101.0
11/20/22 14:00	0.2	101	-34.9	71.1	6.9	0.0	M	101.0
11/20/22 15:00	0.3	87	-35.5	70.4	1.5	0.0	M	101.0
11/20/22 16:00	0.4	98	-34.9	71.4	0.0	0.0	M	101.0
11/20/22 17:00	0.6	110	-33.4	72.9	0.0	0.0	M	101.0
11/20/22 18:00	1.6	111	-31.1	75.2	0.0	0.0	M	100.9
11/20/22 19:00	1.9	131	-29.5	76.7	0.0	0.0	M	100.9
11/20/22 20:00	1.4	117	-28.4	77.6	0.0	0.0	M	100.9
11/20/22 21:00	1.6	106	-27.3	78.6	0.0	0.0	M	100.8
11/20/22 22:00	2.0	100	-26.6	79.3	0.0	0.0	M	100.7
11/20/22 23:00	1.8	103	-25.8	80.2	0.0	0.0	M	100.7
11/21/22 0:00	1.4	112	-24.5	81.3	0.0	0.0	M	100.6
11/21/22 1:00	1.2	111	-24.0	81.8	0.0	0.0	M	100.6
11/21/22 2:00	1.2	114	-23.0	82.8	0.0	0.0	M	100.6
11/21/22 3:00	1.2	106	-23.2	82.3	0.0	0.0	M	100.6
11/21/22 4:00	1.1	96	-23.8	82.0	0.0	0.0	M	100.5
11/21/22 5:00	1.0	96	-23.5	82.2	0.0	0.0	M	100.5
11/21/22 6:00	0.9	113	-23.5	82.2	0.0	0.0	M	100.5
11/21/22 7:00	1.1	106	-24.5	81.0	0.0	0.0	M	100.4
11/21/22 8:00	1.1	111	-25.7	80.5	0.0	0.0	M	100.4
11/21/22 9:00	0.7	128	-25.7	80.0	0.0	0.0	M	100.4
11/21/22 10:00	0.8	123	-25.6	80.0	1.5	0.0	M	100.4
11/21/22 11:00	0.5	102	-27.2	78.4	6.1	0.0	M	100.4
11/21/22 12:00	0.5	78	-27.8	78.2	11.8	0.0	M	100.4
11/21/22 13:00	0.4	104	-27.0	78.9	12.9	0.0	M	100.3
11/21/22 14:00	0.5	85	-26.4	79.6	7.3	0.0	M	100.4

11/21/22 15:00	0.9	88	-24.7	81.3	1.4	0.0	M	100.4
11/21/22 16:00	1.0	83	-24.0	81.6	0.0	0.0	M	100.4
11/21/22 17:00	1.4	88	-23.5	82.1	0.0	0.0	M	100.3
11/21/22 18:00	1.4	79	-23.7	82.1	0.0	0.0	M	100.3
11/21/22 19:00	1.1	86	-23.1	82.5	0.0	0.0	M	100.4
11/21/22 20:00	1.2	83	-23.4	82.3	0.0	0.0	M	100.3
11/21/22 21:00	0.9	90	-23.9	81.6	0.0	0.0	M	100.3
11/21/22 22:00	1.1	84	-25.1	80.7	0.0	0.0	M	100.3
11/21/22 23:00	1.1	81	-25.3	80.6	0.0	0.0	M	100.3
11/22/22 0:00	0.7	120	-24.5	81.3	0.0	0.0	M	100.3
11/22/22 1:00	0.8	96	-24.9	80.9	0.0	0.0	M	100.3
11/22/22 2:00	1.0	81	-24.3	81.6	0.0	0.0	M	100.3
11/22/22 3:00	1.3	79	-23.7	82.2	0.0	0.0	M	100.2
11/22/22 4:00	1.1	82	-23.0	82.8	0.0	0.0	M	100.2
11/22/22 5:00	1.1	83	-22.4	83.4	0.0	0.0	M	100.2
11/22/22 6:00	1.4	95	-20.8	84.6	0.0	0.0	M	100.1
11/22/22 7:00	1.3	69	-21.5	84.2	0.0	0.0	M	100.1
11/22/22 8:00	0.7	75	-20.6	84.8	0.0	0.0	M	100.1
11/22/22 9:00	1.3	85	-19.8	85.8	0.0	0.0	M	100.0
11/22/22 10:00	1.5	98	-18.6	86.7	0.9	0.0	M	100.0
11/22/22 11:00	1.6	95	-18.2	87.1	4.5	0.0	M	99.9
11/22/22 12:00	1.4	96	-17.0	88.3	7.2	0.0	M	99.9
11/22/22 13:00	2.9	87	-16.1	88.8	7.4	0.0	M	99.8
11/22/22 14:00	3.2	88	-15.0	90.0	3.8	0.0	M	99.9
11/22/22 15:00	4.7	99	-13.6	91.1	0.5	0.0	M	99.8
11/22/22 16:00	5.8	102	-13.9	90.6	0.0	0.0	M	99.8
11/22/22 17:00	7.1	111	-15.6	89.3	0.0	0.0	M	99.8
11/22/22 18:00	7.9	107	-15.8	89.4	0.0	0.0	M	99.8
11/22/22 19:00	7.6	94	-15.2	89.7	0.0	0.0	M	99.8
11/22/22 20:00	8.1	88	-16.2	88.8	0.0	0.0	M	99.8
11/22/22 21:00	7.0	90	-17.0	88.2	0.0	0.0	M	99.9
11/22/22 22:00	7.7	100	-16.5	88.8	0.0	0.0	M	99.9
11/22/22 23:00	5.8	83	-17.7	87.3	0.0	0.0	M	99.9
11/23/22 0:00	6.8	80	-18.6	86.9	0.0	0.0	M	99.9
11/23/22 1:00	6.7	82	-18.0	87.5	0.0	0.0	M	100.0
11/23/22 2:00	7.3	87	-17.2	88.1	0.0	0.0	M	100.0
11/23/22 3:00	6.5	81	-17.3	88.0	0.0	0.0	M	100.1
11/23/22 4:00	7.3	89	-16.4	88.8	0.0	0.0	M	100.1
11/23/22 5:00	8.2	78	-16.8	88.4	0.0	0.0	M	100.2
11/23/22 6:00	8.3	75	-16.9	88.4	0.0	0.0	M	100.2
11/23/22 7:00	7.8	81	-16.7	88.6	0.0	0.0	M	100.3
11/23/22 8:00	7.6	84	-16.6	88.6	0.0	0.0	M	100.4
11/23/22 9:00	7.3	80	-16.8	88.4	0.0	0.0	M	100.5
11/23/22 10:00	6.8	79	-16.9	88.5	1.0	0.0	M	100.6
11/23/22 11:00	6.8	81	-16.8	88.5	5.0	0.0	M	100.6
11/23/22 12:00	6.1	80	-16.9	88.5	9.6	0.0	M	100.7
11/23/22 13:00	6.7	78	-16.9	88.4	8.5	0.0	M	100.8
11/23/22 14:00	6.3	79	-17.0	88.4	4.1	0.0	M	100.9
11/23/22 15:00	5.8	80	-17.1	88.3	0.7	0.0	M	101.0
11/23/22 16:00	5.5	82	-17.1	88.2	0.0	0.0	M	101.0
11/23/22 17:00	6.0	85	-17.1	88.4	0.0	0.0	M	101.1
11/23/22 18:00	6.7	87	-17.0	88.4	0.0	0.0	M	101.1
11/23/22 19:00	6.8	93	-16.5	89.0	0.0	0.0	M	101.2
11/23/22 20:00	7.3	94	-16.4	89.0	0.0	0.0	M	101.2
11/23/22 21:00	6.7	100	-16.1	89.1	0.0	0.0	M	101.2
11/23/22 22:00	5.5	108	-16.0	88.9	0.0	0.0	M	101.2
11/23/22 23:00	5.3	108	-16.1	89.0	0.0	0.0	M	101.2
11/24/22 0:00	5.6	114	-16.0	89.0	0.0	0.0	M	101.2
11/24/22 1:00	5.5	105	-15.3	89.6	0.0	0.0	M	101.2
11/24/22 2:00	6.0	102	-15.1	89.8	0.0	0.0	M	101.1
11/24/22 3:00	7.9	105	-15.1	89.9	0.0	0.0	M	101.1
11/24/22 4:00	7.7	102	-14.4	90.5	0.0	0.0	M	101.1
11/24/22 5:00	7.7	102	-14.5	90.4	0.0	0.0	M	101.1
11/24/22 6:00	7.1	103	-13.9	90.8	0.0	0.0	M	101.1
11/24/22 7:00	7.2	106	-13.7	90.9	0.0	0.0	M	101.1
11/24/22 8:00	6.0	108	-13.8	90.8	0.0	0.0	M	101.1
11/24/22 9:00	7.5	117	-14.3	90.5	0.0	0.0	M	101.0
11/24/22 10:00	6.8	130	-14.4	90.5	1.2	0.0	M	101.0
11/24/22 11:00	7.1	129	-14.2	90.5	8.5	0.0	M	100.9
11/24/22 12:00	5.5	140	-14.6	90.1	16.7	0.0	M	100.9
11/24/22 13:00	5.1	141	-14.6	90.2	11.2	0.0	M	100.9
11/24/22 14:00	3.8	139	-15.6	89.3	7.0	0.0	M	100.8
11/24/22 15:00	5.7	146	-15.9	89.3	1.7	0.0	M	100.8
11/24/22 16:00	3.9	135	-15.2	90.1	0.0	0.0	M	100.8
11/24/22 17:00	3.9	123	-13.9	90.8	0.0	0.0	M	100.7
11/24/22 18:00	5.4	117	-13.2	91.3	0.0	0.0	M	100.7
11/24/22 19:00	5.4	115	-13.2	91.4	0.0	0.0	M	100.6
11/24/22 20:00	5.7	124	-13.9	90.5	0.0	0.0	M	100.6
11/24/22 21:00	5.7	129	-14.2	90.3	0.0	0.0	M	100.6
11/24/22 22:00	5.9	134	-14.3	89.9	0.0	0.0	M	100.5
11/24/22 23:00	5.5	126	-14.6	89.8	0.0	0.0	M	100.5
11/25/22 0:00	5.7	121	-15.3	89.3	0.0	0.0	M	100.4
11/25/22 1:00	6.4	115	-16.0	89.1	0.0	0.0	M	100.4

11/25/22 2:00	6.3	117	-16.5	88.8	0.0	0.0	M	100.3
11/25/22 3:00	5.3	129	-16.2	89.2	0.0	0.0	M	100.3
11/25/22 4:00	4.1	121	-14.5	90.8	0.0	0.0	M	100.3
11/25/22 5:00	5.7	113	-12.5	92.0	0.0	0.0	M	100.2
11/25/22 6:00	5.6	107	-12.0	92.2	0.0	0.0	M	100.2
11/25/22 7:00	5.4	126	-13.1	91.4	0.0	0.0	M	100.2
11/25/22 8:00	5.6	114	-12.0	92.4	0.0	0.0	M	100.2
11/25/22 9:00	9.2	110	-13.0	91.3	0.0	0.0	M	100.2
11/25/22 10:00	10.8	106	-13.2	90.8	1.3	0.0	M	100.2
11/25/22 11:00	9.3	112	-13.9	89.7	6.6	0.0	M	100.2
11/25/22 12:00	7.5	116	-14.0	85.5	20.1	0.0	M	100.2
11/25/22 13:00	5.4	115	-13.7	87.2	14.5	0.0	M	100.3
11/25/22 14:00	5.1	102	-14.5	88.8	4.6	0.0	M	100.3
11/25/22 15:00	5.3	103	-15.3	88.9	0.7	0.0	M	100.3
11/25/22 16:00	5.7	107	-15.9	89.7	0.0	0.0	M	100.3
11/25/22 17:00	3.3	115	-17.5	88.1	0.0	0.0	M	100.4
11/25/22 18:00	3.6	111	-18.0	87.7	0.0	0.0	M	100.4
11/25/22 19:00	3.5	115	-18.4	87.2	0.0	0.0	M	100.5
11/25/22 20:00	4.1	120	-18.3	87.3	0.0	0.0	M	100.5
11/25/22 21:00	3.6	138	-19.8	86.1	0.0	0.0	M	100.5
11/25/22 22:00	4.5	126	-19.6	86.3	0.0	0.0	M	100.5
11/25/22 23:00	3.0	114	-19.7	86.0	0.0	0.0	M	100.5
11/26/22 0:00	2.7	124	-19.6	86.1	0.0	0.0	M	100.6
11/26/22 1:00	2.3	121	-20.3	85.5	0.0	0.0	M	100.5
11/26/22 2:00	3.5	129	-20.5	85.1	0.0	0.0	M	100.5
11/26/22 3:00	4.3	132	-20.4	85.8	0.0	0.0	M	100.5
11/26/22 4:00	3.5	110	-19.3	86.2	0.0	0.0	M	100.4
11/26/22 5:00	3.3	112	-19.5	86.1	0.0	0.0	M	100.4
11/26/22 6:00	2.5	108	-20.4	85.3	0.0	0.0	M	100.4
11/26/22 7:00	2.0	97	-21.0	84.7	0.0	0.0	M	100.4
11/26/22 8:00	1.6	109	-20.7	85.0	0.0	0.0	M	100.4
11/26/22 9:00	1.9	115	-20.5	85.2	0.0	0.0	M	100.4
11/26/22 10:00	2.3	131	-20.0	85.7	1.4	0.0	M	100.4
11/26/22 11:00	1.7	132	-19.1	86.5	9.6	0.0	M	100.4
11/26/22 12:00	1.2	135	-17.5	87.6	22.7	0.0	M	100.4
11/26/22 13:00	1.0	123	-17.5	87.6	12.9	0.0	M	100.5
11/26/22 14:00	0.5	132	-18.5	86.5	4.1	0.0	M	100.5
11/26/22 15:00	0.1	123	-19.8	85.5	0.5	0.0	M	100.5
11/26/22 16:00	0.2	56	-20.4	85.2	0.0	0.0	M	100.5
11/26/22 17:00	0.1	35	-20.3	85.4	0.0	0.0	M	100.6
11/26/22 18:00	0.3	146	-19.6	85.9	0.0	0.0	M	100.6
11/26/22 19:00	0.2	189	-18.4	87.1	0.0	0.0	M	100.6
11/26/22 20:00	0.2	177	-17.0	88.3	0.0	0.0	M	100.7
11/26/22 21:00	0.3	94	-15.7	89.2	0.0	0.0	M	100.7
11/26/22 22:00	0.7	315	-14.2	90.7	0.0	0.0	M	100.7
11/26/22 23:00	1.8	342	-13.2	91.0	0.0	0.0	M	100.8
11/27/22 0:00	1.3	331	-13.5	90.9	0.0	0.0	M	100.9
11/27/22 1:00	2.6	1	-13.7	90.6	0.0	0.0	M	100.9
11/27/22 2:00	4.1	44	-14.8	89.8	0.0	0.0	M	101.0
11/27/22 3:00	4.7	35	-15.8	89.1	0.0	0.0	M	101.1
11/27/22 4:00	5.2	22	-16.8	88.2	0.0	0.0	M	101.2
11/27/22 5:00	5.4	14	-17.5	87.5	0.0	0.0	M	101.3
11/27/22 6:00	5.5	5	-18.2	86.6	0.0	0.0	M	101.4
11/27/22 7:00	5.8	9	-19.1	85.5	0.0	0.0	M	101.5
11/27/22 8:00	5.5	14	-20.2	84.4	0.0	0.0	M	101.5
11/27/22 9:00	6.1	9	-21.2	83.2	0.0	0.0	M	101.7
11/27/22 10:00	5.2	14	-21.9	81.9	0.5	0.0	M	101.8
11/27/22 11:00	3.2	8	-22.2	81.1	3.2	0.0	M	101.8
11/27/22 12:00	3.8	1	-22.4	80.5	7.5	0.0	M	101.9
11/27/22 13:00	6.0	7	-23.4	78.7	7.2	0.0	M	102.0
11/27/22 14:00	4.2	338	-23.9	77.7	3.2	0.0	M	102.1
11/27/22 15:00	2.4	300	-24.6	78.0	0.3	0.0	M	102.2
11/27/22 16:00	3.1	287	-25.2	77.8	0.0	0.0	M	102.3
11/27/22 17:00	3.2	280	-26.7	77.9	0.0	0.0	M	102.4
11/27/22 18:00	2.8	302	-26.3	77.8	0.0	0.0	M	102.5
11/27/22 19:00	3.2	300	-26.5	75.7	0.0	0.0	M	102.5
11/27/22 20:00	3.1	287	-29.4	77.3	0.0	0.0	M	102.6
11/27/22 21:00	4.3	286	-29.6	76.9	0.0	0.0	M	102.6
11/27/22 22:00	4.0	285	-30.3	76.3	0.0	0.0	M	102.7
11/27/22 23:00	2.6	288	-30.0	76.7	0.0	0.0	M	102.7
11/28/22 0:00	4.6	284	-29.9	76.5	0.0	0.0	M	102.7
11/28/22 1:00	6.9	284	-29.4	77.1	0.0	0.0	M	102.8
11/28/22 2:00	7.5	281	-29.2	77.2	0.0	0.0	M	102.8
11/28/22 3:00	3.9	288	-28.9	77.4	0.0	0.0	M	102.9
11/28/22 4:00	4.8	286	-27.0	79.3	0.0	0.0	M	102.9
11/28/22 5:00	5.2	277	-25.6	80.4	0.0	0.0	M	102.9
11/28/22 6:00	5.7	266	-25.5	80.4	0.0	0.0	M	102.9
11/28/22 7:00	6.3	269	-25.0	80.9	0.0	0.0	M	102.9
11/28/22 8:00	6.1	288	-24.2	81.3	0.0	0.0	M	102.9
11/28/22 9:00	4.9	287	-24.7	79.5	0.0	0.0	M	102.9
11/28/22 10:00	5.5	268	-25.5	79.7	0.5	0.0	M	102.9
11/28/22 11:00	8.2	267	-27.7	77.6	4.8	0.0	M	102.9
11/28/22 12:00	7.7	277	-29.6	74.4	8.2	0.0	M	102.9

11/28/22 13:00	6.9	268	-29.5	74.6	7.2	0.0	M	102.9
11/28/22 14:00	8.7	264	-28.8	75.0	4.0	0.0	M	102.9
11/28/22 15:00	9.3	267	-28.3	75.5	0.5	0.0	M	102.9
11/28/22 16:00	8.6	265	-28.1	76.7	0.0	0.0	M	102.9
11/28/22 17:00	10.0	269	-27.7	76.4	0.0	0.0	M	102.9
11/28/22 18:00	8.6	270	-27.3	75.7	0.0	0.0	M	102.9
11/28/22 19:00	9.3	269	-27.1	76.3	0.0	0.0	M	102.8
11/28/22 20:00	11.2	271	-26.4	78.7	0.0	0.0	M	102.7
11/28/22 21:00	11.6	267	-25.9	79.4	0.0	0.0	M	102.8
11/28/22 22:00	9.9	265	-25.4	79.4	0.0	0.0	M	102.8
11/28/22 23:00	10.0	262	-25.3	79.6	0.0	0.0	M	102.7
11/29/22 0:00	10.4	261	-25.0	80.0	0.0	0.0	M	102.7
11/29/22 1:00	10.2	260	-24.8	80.0	0.0	0.0	M	102.7
11/29/22 2:00	11.0	260	-24.3	80.4	0.0	0.0	M	102.6
11/29/22 3:00	10.4	260	-23.9	80.7	0.0	0.0	M	102.6
11/29/22 4:00	10.0	257	-23.1	81.6	0.0	0.0	M	102.6
11/29/22 5:00	10.4	260	-22.4	81.1	0.0	0.0	M	102.5
11/29/22 6:00	10.6	260	-22.2	81.3	0.0	0.0	M	102.5
11/29/22 7:00	11.1	247	-22.0	81.1	0.0	0.0	M	102.4
11/29/22 8:00	10.9	244	-21.8	81.2	0.0	0.0	M	102.4
11/29/22 9:00	11.8	250	-21.5	82.4	0.0	0.0	M	102.3
11/29/22 10:00	12.4	250	-21.1	81.7	0.6	0.0	M	102.3
11/29/22 11:00	12.0	251	-20.5	81.0	3.9	0.0	M	102.2
11/29/22 12:00	12.3	251	-20.1	80.7	4.8	0.0	M	102.2
11/29/22 13:00	12.6	250	-19.9	81.8	4.7	0.0	M	102.0
11/29/22 14:00	12.6	247	-20.0	80.3	1.9	0.0	M	102.1
11/29/22 15:00	11.1	241	-19.9	78.5	0.1	0.0	M	102.1
11/29/22 16:00	10.7	235	-20.1	79.5	0.0	0.0	M	102.0
11/29/22 17:00	10.0	238	-20.1	83.1	0.0	0.0	M	102.0
11/29/22 18:00	10.1	241	-19.7	83.7	0.0	0.0	M	101.9
11/29/22 19:00	10.9	250	-19.8	84.4	0.0	0.0	M	101.9
11/29/22 20:00	12.1	250	-19.7	83.8	0.0	0.0	M	101.8
11/29/22 21:00	11.1	264	-19.9	84.1	0.0	0.0	M	101.9
11/29/22 22:00	4.2	330	-22.9	78.1	0.0	0.0	M	102.0
11/29/22 23:00	2.9	293	-24.4	75.0	0.0	0.0	M	102.0
11/30/22 0:00	3.3	287	-25.7	74.8	0.0	0.0	M	102.0
11/30/22 1:00	2.3	282	-26.8	75.8	0.0	0.0	M	102.0
11/30/22 2:00	2.2	273	-27.8	76.7	0.0	0.0	M	102.0
11/30/22 3:00	3.4	276	-28.1	77.3	0.0	0.0	M	102.0
11/30/22 4:00	5.1	261	-28.3	77.6	0.0	0.0	M	101.9
11/30/22 5:00	4.5	278	-28.1	76.4	0.0	0.0	M	101.9
11/30/22 6:00	5.3	265	-27.2	75.9	0.0	0.0	M	101.9
11/30/22 7:00	5.3	275	-27.5	75.5	0.0	0.0	M	101.8
11/30/22 8:00	3.7	269	-28.4	76.8	0.0	0.0	M	101.7
11/30/22 9:00	2.7	243	-28.7	76.2	0.0	0.0	M	101.7
11/30/22 10:00	1.2	218	-29.5	77.3	0.3	0.0	M	101.7
11/30/22 11:00	4.9	246	-27.4	77.5	3.3	0.0	M	101.6
11/30/22 12:00	4.2	223	-27.1	76.6	6.9	0.0	M	101.5
11/30/22 13:00	4.8	214	-27.3	75.3	5.6	0.0	M	101.5
11/30/22 14:00	4.9	223	-27.8	75.2	3.1	0.0	M	101.4
11/30/22 15:00	4.7	200	-28.7	74.7	0.3	0.0	M	101.4
11/30/22 16:00	2.9	208	-29.5	74.2	0.0	0.0	M	101.4
11/30/22 17:00	2.1	127	-30.1	75.2	0.0	0.0	M	101.3
11/30/22 18:00	2.8	157	-30.8	75.5	0.0	0.0	M	101.2
11/30/22 19:00	1.9	143	-31.2	75.0	0.0	0.0	M	101.2
11/30/22 20:00	1.6	128	-31.8	74.3	0.0	0.0	M	101.1
11/30/22 21:00	1.4	131	-32.0	74.1	0.0	0.0	M	101.1
11/30/22 22:00	1.5	123	-32.5	73.6	0.0	0.0	M	101.0
11/30/22 23:00	0.6	85	-33.1	73.0	0.0	0.0	M	101.0
12/1/22 0:00	0.8	106	-33.2	72.7	0.0	0.0	M	100.9
12/1/22 1:00	0.9	108	-32.9	73.3	0.0	0.0	M	100.9
12/1/22 2:00	1.4	114	-32.3	73.7	0.0	0.0	M	100.9
12/1/22 3:00	0.7	85	-33.0	72.9	0.0	0.0	M	100.9
12/1/22 4:00	1.3	54	-33.3	72.6	0.0	0.0	M	100.8
12/1/22 5:00	1.1	72	-33.5	72.5	0.0	0.0	M	100.8
12/1/22 6:00	1.2	81	-34.2	71.8	0.0	0.0	M	100.8
12/1/22 7:00	1.9	60	-34.4	71.7	0.0	0.0	M	100.8
12/1/22 8:00	2.4	55	-34.6	71.5	0.0	0.0	M	100.8
12/1/22 9:00	1.1	84	-34.9	71.1	0.0	0.0	M	100.8
12/1/22 10:00	1.1	71	-35.0	70.9	0.3	0.0	M	100.8
12/1/22 11:00	1.0	75	-35.2	70.7	2.8	0.0	M	100.8
12/1/22 12:00	0.9	70	-35.3	70.6	5.7	0.0	M	100.9
12/1/22 13:00	0.8	71	-35.2	70.7	5.2	0.0	M	100.9
12/1/22 14:00	0.7	86	-35.1	70.6	2.7	0.0	M	100.6
12/1/22 15:00	0.1	44	-36.0	69.7	0.2	0.0	M	98.3
12/1/22 16:00	C	C	-36.2	69.7	0.0	0.0	M	97.1
12/1/22 17:00	0.1	93	-36.8	68.7	0.0	0.0	M	96.2
12/1/22 18:00	0.5	291	-36.6	69.7	0.0	0.0	M	96.4
12/1/22 19:00	0.2	307	-36.4	69.1	0.0	0.0	M	96.2
12/1/22 20:00	0.6	301	-36.0	70.2	0.0	0.0	M	96.6
12/1/22 21:00	1.3	314	-33.9	72.0	0.0	0.0	M	101.0
12/1/22 22:00	1.1	348	-33.8	72.1	0.0	0.0	M	101.0
12/1/22 23:00	2.0	343	-32.9	73.0	0.0	0.0	M	101.1

12/2/22 0:00	1.7	292	-33.6	72.0	0.0	0.0	M	101.1
12/2/22 1:00	1.7	285	-34.0	71.8	0.0	0.0	M	101.1
12/2/22 2:00	2.9	313	-33.9	71.6	0.0	0.0	M	101.1
12/2/22 3:00	2.7	287	-35.0	70.8	0.0	0.0	M	101.2
12/2/22 4:00	2.2	301	-35.0	70.7	0.0	0.0	M	101.1
12/2/22 5:00	2.3	286	-35.3	70.4	0.0	0.0	M	101.1
12/2/22 6:00	2.8	289	-35.8	70.1	0.0	0.0	M	101.1
12/2/22 7:00	2.3	281	-35.8	69.9	0.0	0.0	M	101.1
12/2/22 8:00	3.5	294	-36.0	69.8	0.0	0.0	M	101.1
12/2/22 9:00	3.1	285	-36.2	69.5	0.0	0.0	M	100.8
12/2/22 10:00	3.5	283	-36.3	69.5	0.2	0.0	M	100.9
12/2/22 11:00	4.0	287	-36.4	69.3	2.8	0.0	M	100.3
12/2/22 12:00	5.4	281	-36.3	69.4	5.3	0.0	M	100.8
12/2/22 13:00	6.2	284	-36.2	69.6	5.1	0.0	M	100.9
12/2/22 14:00	6.3	285	-36.0	69.8	2.7	0.0	M	100.8
12/2/22 15:00	6.7	286	-35.7	70.2	0.3	0.0	M	100.8
12/2/22 16:00	6.1	281	-35.6	70.1	0.0	0.0	M	100.8
12/2/22 17:00	6.6	279	-35.3	70.5	0.0	0.0	M	100.7
12/2/22 18:00	6.1	283	-35.2	70.6	0.0	0.0	M	100.7
12/2/22 19:00	7.1	280	-35.1	70.6	0.0	0.0	M	100.7
12/2/22 20:00	6.2	286	-35.0	70.7	0.0	0.0	M	100.6
12/2/22 21:00	4.9	288	-34.8	70.9	0.0	0.0	M	100.5
12/2/22 22:00	6.2	288	-34.6	71.1	0.0	0.0	M	100.4
12/2/22 23:00	5.2	283	-34.1	71.6	0.0	0.0	M	100.4
12/3/22 0:00	5.0	279	-33.8	71.9	0.0	0.0	M	100.4
12/3/22 1:00	4.3	271	-33.2	72.5	0.0	0.0	M	100.4
12/3/22 2:00	4.0	265	-33.0	72.6	0.0	0.0	M	100.3
12/3/22 3:00	2.1	199	-35.0	70.1	0.0	0.0	M	100.3
12/3/22 4:00	1.2	142	-37.6	68.0	0.0	0.0	M	96.1
12/3/22 5:00	0.4	90	-38.3	67.2	0.0	0.0	M	92.9
12/3/22 6:00	0.3	92	-38.4	67.1	0.0	0.0	M	91.9
12/3/22 7:00	1.2	98	-38.4	67.2	0.0	0.0	M	93.0
12/3/22 8:00	1.5	137	-38.3	67.2	0.0	0.0	M	92.8
12/3/22 9:00	1.2	126	-38.3	67.3	0.0	0.0	M	93.5
12/3/22 10:00	1.1	114	-37.8	67.6	0.2	0.0	M	93.7
12/3/22 11:00	1.5	123	-37.8	67.8	2.6	0.0	M	94.6
12/3/22 12:00	1.2	105	-37.5	68.2	5.4	0.0	M	95.8
12/3/22 13:00	1.6	121	-36.1	69.4	3.7	0.0	M	99.3
12/3/22 14:00	2.2	126	-36.3	69.2	1.2	0.0	M	99.6
12/3/22 15:00	2.5	137	-36.7	68.8	0.0	0.0	M	98.0
12/3/22 16:00	2.2	125	-35.0	70.6	0.0	0.0	M	99.5
12/3/22 17:00	2.4	133	-35.3	70.1	0.0	0.0	M	99.5
12/3/22 18:00	2.6	125	-33.4	72.1	0.0	0.0	M	99.5
12/3/22 19:00	3.4	128	-33.7	71.8	0.0	0.0	M	99.6
12/3/22 20:00	3.5	127	-32.9	72.5	0.0	0.0	M	99.8
12/3/22 21:00	2.9	122	-31.7	73.6	0.0	0.0	M	100.0
12/3/22 22:00	3.7	113	-32.1	73.3	0.0	0.0	M	100.1
12/3/22 23:00	2.8	101	-32.5	72.4	0.0	0.0	M	100.3
12/4/22 0:00	2.6	106	-32.8	72.8	0.0	0.0	M	100.5
12/4/22 1:00	1.9	87	-34.4	70.3	0.0	0.0	M	100.7
12/4/22 2:00	2.1	79	-35.6	69.8	0.0	0.0	M	100.9
12/4/22 3:00	2.6	79	-35.8	69.5	0.0	0.0	M	101.0
12/4/22 4:00	2.1	90	-35.8	69.6	0.0	0.0	M	101.2
12/4/22 5:00	1.6	97	-35.7	70.1	0.0	0.0	M	101.3
12/4/22 6:00	1.9	128	-35.2	69.8	0.0	0.0	M	101.4
12/4/22 7:00	1.3	91	-36.7	68.4	0.0	0.0	M	100.3
12/4/22 8:00	1.0	65	-37.2	68.0	0.0	0.0	M	98.6
12/4/22 9:00	0.8	86	-37.3	67.9	0.0	0.0	M	98.0
12/4/22 10:00	0.9	89	-37.3	67.9	0.0	0.0	M	98.2
12/4/22 11:00	1.5	71	-37.4	67.9	1.9	0.0	M	98.4
12/4/22 12:00	1.4	72	-37.0	68.4	3.5	0.0	M	99.5
12/4/22 13:00	0.9	75	-36.6	68.6	2.5	0.0	M	100.1
12/4/22 14:00	1.0	92	-36.7	68.5	0.6	0.0	M	100.5
12/4/22 15:00	0.5	79	-36.8	68.3	0.0	0.0	M	99.4
12/4/22 16:00	0.4	105	-37.0	68.1	0.0	0.0	M	98.5
12/4/22 17:00	0.6	107	-37.1	68.0	0.0	0.0	M	98.9
12/4/22 18:00	0.1	133	-38.0	66.9	0.0	0.0	M	96.5
12/4/22 19:00	C	C	-38.1	67.0	0.0	0.0	M	95.3
12/4/22 20:00	0.4	286	-38.0	67.5	0.0	0.0	M	95.7
12/4/22 21:00	0.7	294	-34.4	71.2	0.0	0.0	M	102.7
12/4/22 22:00	1.8	273	-34.0	71.1	0.0	0.0	M	102.7
12/4/22 23:00	2.6	286	-34.2	71.2	0.0	0.0	M	102.7
12/5/22 0:00	3.2	286	-33.8	71.5	0.0	0.0	M	102.7
12/5/22 1:00	3.9	286	-33.6	71.9	0.0	0.0	M	102.8
12/5/22 2:00	5.0	294	-32.5	73.0	0.0	0.0	M	102.8
12/5/22 3:00	5.3	301	-31.5	73.8	0.0	0.0	M	102.8
12/5/22 4:00	6.2	300	-32.0	73.3	0.0	0.0	M	102.7
12/5/22 5:00	7.1	297	-32.1	73.3	0.0	0.0	M	102.7
12/5/22 6:00	8.2	296	-32.0	73.5	0.0	0.0	M	102.6
12/5/22 7:00	8.5	298	-31.7	73.7	0.0	0.0	M	102.5
12/5/22 8:00	8.5	295	-32.2	73.2	0.0	0.0	M	102.4
12/5/22 9:00	9.7	297	-31.9	73.6	0.0	0.0	M	102.3
12/5/22 10:00	9.8	300	-31.4	74.0	0.0	0.0	M	102.2

12/5/22 11:00	9.6	308	-31.3	74.1	1.1	0.0	M	102.1
12/5/22 12:00	10.6	305	-31.4	74.1	2.6	0.0	M	102.0
12/5/22 13:00	10.7	305	-31.3	74.2	2.6	0.0	M	101.9
12/5/22 14:00	11.9	308	-31.1	74.4	1.3	0.0	M	101.7
12/5/22 15:00	12.0	295	-30.9	74.6	0.0	0.0	M	101.6
12/5/22 16:00	12.1	298	-30.5	75.0	0.0	0.0	M	101.6
12/5/22 17:00	8.8	306	-29.8	75.7	0.0	0.0	M	101.5
12/5/22 18:00	11.0	300	-29.2	76.3	0.0	0.0	M	101.3
12/5/22 19:00	11.6	298	-28.8	76.7	0.0	0.0	M	101.1
12/5/22 20:00	10.3	310	-28.0	77.5	0.0	0.0	M	101.0
12/5/22 21:00	10.0	317	-27.5	77.9	0.0	0.0	M	101.0
12/5/22 22:00	10.9	315	-27.4	78.0	0.0	0.0	M	100.8
12/5/22 23:00	10.1	316	-27.3	78.2	0.0	0.0	M	100.8
12/6/22 0:00	9.7	320	-27.2	78.4	0.0	0.0	M	100.6
12/6/22 1:00	10.2	321	-26.8	78.7	0.0	0.0	M	100.5
12/6/22 2:00	9.4	319	-26.3	79.0	0.0	0.0	M	100.5
12/6/22 3:00	7.5	315	-25.8	79.5	0.0	0.0	M	100.4
12/6/22 4:00	6.5	312	-25.4	79.9	0.0	0.0	M	100.3
12/6/22 5:00	5.3	309	-25.0	80.2	0.0	0.0	M	100.3
12/6/22 6:00	4.0	301	-24.9	80.3	0.0	0.0	M	100.3
12/6/22 7:00	2.4	316	-24.9	80.1	0.0	0.0	M	100.3
12/6/22 8:00	1.2	280	-25.1	80.1	0.0	0.0	M	100.3
12/6/22 9:00	1.9	137	-25.6	79.9	0.0	0.0	M	100.4
12/6/22 10:00	3.6	151	-26.5	78.9	0.1	0.0	M	100.5
12/6/22 11:00	3.4	150	-27.8	77.9	2.1	0.0	M	100.6
12/6/22 12:00	2.2	131	-28.3	77.6	4.5	0.0	M	100.7
12/6/22 13:00	3.2	126	-28.2	77.8	4.2	0.0	M	100.8
12/6/22 14:00	2.3	105	-29.1	76.8	1.7	0.0	M	100.9
12/6/22 15:00	2.4	113	-28.9	77.3	0.0	0.0	M	100.9
12/6/22 16:00	1.3	98	-28.0	77.6	0.0	0.0	M	100.9
12/6/22 17:00	0.7	136	-27.4	78.3	0.0	0.0	M	101.0
12/6/22 18:00	1.2	34	-27.1	78.6	0.0	0.0	M	101.0
12/6/22 19:00	1.4	357	-26.5	79.2	0.0	0.0	M	101.0
12/6/22 20:00	1.2	321	-25.8	79.8	0.0	0.0	M	101.0
12/6/22 21:00	2.0	350	-24.8	80.9	0.0	0.0	M	101.1
12/6/22 22:00	1.7	335	-23.9	81.7	0.0	0.0	M	101.0
12/6/22 23:00	3.0	322	-23.4	82.2	0.0	0.0	M	101.0
12/7/22 0:00	2.2	344	-23.0	82.5	0.0	0.0	M	101.0
12/7/22 1:00	2.8	34	-23.0	82.6	0.0	0.0	M	101.0
12/7/22 2:00	1.9	20	-22.5	83.2	0.0	0.0	M	101.1
12/7/22 3:00	2.3	326	-21.8	83.7	0.0	0.0	M	101.1
12/7/22 4:00	3.1	318	-21.2	84.4	0.0	0.0	M	101.1
12/7/22 5:00	3.6	358	-20.5	84.9	0.0	0.0	M	101.1
12/7/22 6:00	3.2	341	-20.6	84.8	0.0	0.0	M	101.1
12/7/22 7:00	3.9	10	-20.7	84.8	0.0	0.0	M	101.1
12/7/22 8:00	3.8	8	-20.7	84.8	0.0	0.0	M	101.1
12/7/22 9:00	4.3	3	-21.0	84.5	0.0	0.0	M	101.1
12/7/22 10:00	3.8	336	-21.2	84.4	0.0	0.0	M	101.1
12/7/22 11:00	3.6	318	-20.9	84.7	1.1	0.0	M	101.1
12/7/22 12:00	4.5	312	-20.8	84.7	3.5	0.0	M	101.1
12/7/22 13:00	7.1	319	-21.5	84.0	4.4	0.0	M	101.1
12/7/22 14:00	7.4	298	-22.2	83.5	3.1	0.0	M	101.0
12/7/22 15:00	7.6	295	-22.1	83.6	0.1	0.0	M	101.0
12/7/22 16:00	9.7	287	-23.0	82.6	0.0	0.0	M	101.0
12/7/22 17:00	10.4	283	-23.8	82.2	0.0	0.0	M	101.0
12/7/22 18:00	11.4	282	-23.9	82.0	0.0	0.0	M	101.0
12/7/22 19:00	13.1	277	-24.0	81.9	0.0	0.0	M	100.9
12/7/22 20:00	12.4	278	-24.1	81.8	0.0	0.0	M	101.0
12/7/22 21:00	11.1	281	-24.3	81.6	0.0	0.0	M	101.0
12/7/22 22:00	10.7	282	-24.2	81.6	0.0	0.0	M	101.0
12/7/22 23:00	12.2	275	-24.6	81.2	0.0	0.0	M	101.0
12/8/22 0:00	11.8	275	-24.6	81.0	0.0	0.0	M	101.1
12/8/22 1:00	9.9	274	-24.9	80.8	0.0	0.0	M	101.1
12/8/22 2:00	9.4	279	-25.0	81.0	0.0	0.0	M	101.2
12/8/22 3:00	9.5	280	-24.5	81.4	0.0	0.0	M	101.2
12/8/22 4:00	10.4	276	-24.6	81.3	0.0	0.0	M	101.2
12/8/22 5:00	11.2	277	-24.7	81.2	0.0	0.0	M	101.2
12/8/22 6:00	10.4	277	-25.0	80.8	0.0	0.0	M	101.2
12/8/22 7:00	9.8	277	-25.3	80.7	0.0	0.0	M	101.2
12/8/22 8:00	9.5	273	-25.4	80.6	0.0	0.0	M	101.2
12/8/22 9:00	10.1	267	-25.3	80.5	0.0	0.0	M	101.2
12/8/22 10:00	8.2	272	-25.7	80.2	0.0	0.0	M	101.2
12/8/22 11:00	8.9	268	-25.5	80.3	1.7	0.0	M	101.2
12/8/22 12:00	9.3	265	-25.7	80.1	4.4	0.0	M	101.2
12/8/22 13:00	9.7	265	-25.8	80.1	5.9	0.0	M	101.2
12/8/22 14:00	7.4	276	-26.1	79.7	2.4	0.0	M	101.3
12/8/22 15:00	5.6	276	-26.5	79.4	0.0	0.0	M	101.3
12/8/22 16:00	6.2	270	-26.3	79.3	0.0	0.0	M	101.2
12/8/22 17:00	5.4	253	-26.7	78.4	0.0	0.0	M	101.2
12/8/22 18:00	3.2	258	-27.2	77.9	0.0	0.0	M	101.2
12/8/22 19:00	1.2	136	-27.8	77.5	0.0	0.0	M	101.2
12/8/22 20:00	0.7	69	-29.6	76.1	0.0	0.0	M	101.2
12/8/22 21:00	0.3	105	-30.5	75.4	0.0	0.0	M	101.2

12/8/22 22:00	0.8	82	-31.4	74.5	0.0	0.0	M	101.2
12/8/22 23:00	0.5	60	-32.1	73.9	0.0	0.0	M	101.3
12/9/22 0:00	0.3	50	-32.3	73.7	0.0	0.0	M	101.2
12/9/22 1:00	0.9	64	-32.7	73.3	0.0	0.0	M	101.2
12/9/22 2:00	0.4	53	-33.1	72.9	0.0	0.0	M	101.3
12/9/22 3:00	1.1	55	-33.3	72.8	0.0	0.0	M	101.3
12/9/22 4:00	0.4	38	-33.2	72.8	0.0	0.0	M	101.3
12/9/22 5:00	0.5	57	-32.9	72.9	0.0	0.0	M	101.3
12/9/22 6:00	1.3	60	-32.9	73.1	0.0	0.0	M	101.4
12/9/22 7:00	1.2	64	-32.4	73.6	0.0	0.0	M	101.4
12/9/22 8:00	1.3	70	-32.2	73.8	0.0	0.0	M	101.4
12/9/22 9:00	1.2	63	-31.7	74.3	0.0	0.0	M	101.5
12/9/22 10:00	0.9	54	-30.9	75.0	0.0	0.0	M	101.5
12/9/22 11:00	0.9	58	-30.1	75.6	1.1	0.0	M	101.5
12/9/22 12:00	0.7	61	-29.8	75.7	3.5	0.0	M	101.6
12/9/22 13:00	1.4	51	-30.1	75.7	3.3	0.0	M	101.6
12/9/22 14:00	1.2	67	-29.9	75.8	1.4	0.0	M	101.7
12/9/22 15:00	1.2	96	-29.1	76.8	0.0	0.0	M	101.7
12/9/22 16:00	1.9	72	-28.5	77.1	0.0	0.0	M	101.7
12/9/22 17:00	2.3	68	-28.6	77.4	0.0	0.0	M	101.8
12/9/22 18:00	2.7	79	-27.6	78.3	0.0	0.0	M	101.8
12/9/22 19:00	2.1	80	-27.9	77.8	0.0	0.0	M	101.9
12/9/22 20:00	2.3	66	-28.2	77.6	0.0	0.0	M	101.9
12/9/22 21:00	2.2	58	-27.9	77.8	0.0	0.0	M	101.9
12/9/22 22:00	1.4	69	-28.4	77.0	0.0	0.0	M	102.0
12/9/22 23:00	1.1	63	-29.5	76.0	0.0	0.0	M	102.0
12/10/22 0:00	1.6	68	-30.2	75.4	0.0	0.0	M	102.1
12/10/22 1:00	2.0	82	-30.4	75.4	0.0	0.0	M	102.1
12/10/22 2:00	2.3	81	-30.2	75.4	0.0	0.0	M	102.2
12/10/22 3:00	1.2	78	-31.0	74.6	0.0	0.0	M	102.3
12/10/22 4:00	0.8	63	-31.1	74.5	0.0	0.0	M	102.4
12/10/22 5:00	1.7	59	-31.1	74.6	0.0	0.0	M	102.4
12/10/22 6:00	0.9	79	-31.4	74.2	0.0	0.0	M	102.5
12/10/22 7:00	0.8	88	-31.8	73.7	0.0	0.0	M	102.5
12/10/22 8:00	1.2	118	-31.5	74.1	0.0	0.0	M	102.6
12/10/22 9:00	0.9	95	-32.7	72.8	0.0	0.0	M	102.6
12/10/22 10:00	0.7	89	-33.0	72.7	0.0	0.0	M	102.7
12/10/22 11:00	0.8	66	-32.8	72.9	0.8	0.0	M	102.7
12/10/22 12:00	0.8	86	-31.9	73.9	2.2	0.0	M	102.8
12/10/22 13:00	0.8	80	-32.3	73.2	2.4	0.0	M	102.8
12/10/22 14:00	0.5	87	-31.8	73.7	1.2	0.0	M	102.8
12/10/22 15:00	1.5	80	-30.6	75.4	0.0	0.0	M	102.9
12/10/22 16:00	0.9	84	-29.7	75.5	0.0	0.0	M	103.0
12/10/22 17:00	0.9	62	-29.9	75.5	0.0	0.0	M	103.0
12/10/22 18:00	0.7	75	-29.9	75.5	0.0	0.0	M	103.0
12/10/22 19:00	1.0	65	-29.5	76.0	0.0	0.0	M	103.0
12/10/22 20:00	0.5	63	-29.8	75.6	0.0	0.0	M	103.0
12/10/22 21:00	1.0	59	-29.2	76.4	0.0	0.0	M	103.0
12/10/22 22:00	0.9	52	-28.9	76.7	0.0	0.0	M	103.0
12/10/22 23:00	1.0	59	-28.8	76.6	0.0	0.0	M	103.0
12/11/22 0:00	0.8	54	-28.7	76.7	0.0	0.0	M	103.0
12/11/22 1:00	1.2	26	-27.8	77.8	0.0	0.0	M	103.0
12/11/22 2:00	1.1	35	-27.6	77.8	0.0	0.0	M	103.0
12/11/22 3:00	1.1	30	-27.4	78.2	0.0	0.0	M	103.0
12/11/22 4:00	0.8	34	-26.6	78.9	0.0	0.0	M	102.9
12/11/22 5:00	1.0	21	-26.6	78.6	0.0	0.0	M	102.9
12/11/22 6:00	0.7	16	-27.2	78.5	0.0	0.0	M	102.9
12/11/22 7:00	0.5	23	-26.8	78.7	0.0	0.0	M	102.9
12/11/22 8:00	1.0	341	-26.6	78.8	0.0	0.0	M	102.9
12/11/22 9:00	0.9	314	-27.0	78.6	0.0	0.0	M	102.8
12/11/22 10:00	0.7	306	-27.0	78.9	0.0	0.0	M	102.8
12/11/22 11:00	1.0	322	-26.5	79.1	0.7	0.0	M	102.8
12/11/22 12:00	0.8	8	-25.2	80.3	2.2	0.0	M	102.7
12/11/22 13:00	1.7	16	-24.5	81.1	2.3	0.0	M	102.7
12/11/22 14:00	1.7	6	-24.0	81.3	1.0	0.0	M	102.7
12/11/22 15:00	1.5	2	-24.1	81.3	0.0	0.0	M	102.7
12/11/22 16:00	1.1	306	-24.3	81.1	0.0	0.0	M	102.7
12/11/22 17:00	2.1	346	-23.1	81.9	0.0	0.0	M	102.6
12/11/22 18:00	3.0	357	-22.4	82.1	0.0	0.0	M	102.6
12/11/22 19:00	2.1	330	-22.2	82.1	0.0	0.0	M	102.6
12/11/22 20:00	2.9	14	-22.8	82.0	0.0	0.0	M	102.5
12/11/22 21:00	2.4	20	-22.9	82.3	0.0	0.0	M	102.5
12/11/22 22:00	2.0	59	-23.0	82.3	0.0	0.0	M	102.5
12/11/22 23:00	2.5	56	-23.5	82.0	0.0	0.0	M	102.5
12/12/22 0:00	1.7	77	-23.3	82.2	0.0	0.0	M	102.5
12/12/22 1:00	1.8	68	-23.1	82.4	0.0	0.0	M	102.5
12/12/22 2:00	1.3	59	-22.9	82.5	0.0	0.0	M	102.5
12/12/22 3:00	0.6	288	-22.7	82.6	0.0	0.0	M	102.5
12/12/22 4:00	0.8	285	-22.4	82.7	0.0	0.0	M	102.4
12/12/22 5:00	0.9	244	-22.6	82.5	0.0	0.0	M	102.4
12/12/22 6:00	0.6	184	-22.6	82.6	0.0	0.0	M	102.4
12/12/22 7:00	1.3	151	-22.8	82.6	0.0	0.0	M	102.4
12/12/22 8:00	0.5	151	-23.0	82.2	0.0	0.0	M	102.3

12/12/22 9:00	0.7	131	-23.9	81.4	0.0	0.0	M	102.3
12/12/22 10:00	1.0	130	-24.0	81.6	0.0	0.0	M	102.2
12/12/22 11:00	1.4	140	-24.0	81.6	0.5	0.0	M	102.2
12/12/22 12:00	1.1	140	-23.8	81.8	1.6	0.0	M	102.1
12/12/22 13:00	1.6	139	-23.2	82.4	1.8	0.0	M	102.1
12/12/22 14:00	1.6	99	-22.8	82.6	0.9	0.0	M	102.0
12/12/22 15:00	1.8	105	-22.3	83.2	0.0	0.0	M	102.0
12/12/22 16:00	2.0	94	-22.1	83.3	0.0	0.0	M	102.0
12/12/22 17:00	2.7	96	-22.0	83.5	0.0	0.0	M	101.9
12/12/22 18:00	3.4	100	-21.2	84.5	0.0	0.0	M	101.9
12/12/22 19:00	3.6	111	-20.0	85.4	0.0	0.0	M	101.8
12/12/22 20:00	3.6	117	-20.1	85.5	0.0	0.0	M	101.8
12/12/22 21:00	3.7	116	-19.6	85.7	0.0	0.0	M	101.6
12/12/22 22:00	4.5	109	-19.1	86.4	0.0	0.0	M	101.6
12/12/22 23:00	4.7	103	-19.3	86.0	0.0	0.0	M	101.5
12/13/22 0:00	5.1	97	-19.6	85.7	0.0	0.0	M	101.4
12/13/22 1:00	5.5	90	-19.9	85.5	0.0	0.0	M	101.4
12/13/22 2:00	4.9	97	-19.3	86.1	0.0	0.0	M	101.3
12/13/22 3:00	6.6	105	-18.4	87.1	0.0	0.0	M	101.2
12/13/22 4:00	7.2	107	-18.4	86.7	0.0	0.0	M	101.1
12/13/22 5:00	7.2	104	-18.6	86.7	0.0	0.0	M	101.0
12/13/22 6:00	4.9	117	-20.0	85.2	0.0	0.0	M	100.9
12/13/22 7:00	7.4	88	-20.4	85.4	0.0	0.0	M	100.8
12/13/22 8:00	6.8	102	-18.9	86.7	0.0	0.0	M	100.7
12/13/22 9:00	7.9	96	-19.0	86.5	0.0	0.0	M	100.6
12/13/22 10:00	9.0	97	-18.6	86.8	0.0	0.0	M	100.4
12/13/22 11:00	10.1	98	-18.0	87.4	0.3	0.0	M	100.4
12/13/22 12:00	9.1	102	-17.5	87.8	1.1	0.0	M	100.3
12/13/22 13:00	7.0	110	-17.3	87.6	1.7	0.0	M	100.2
12/13/22 14:00	6.0	115	-17.4	88.0	0.7	0.0	M	100.0
12/13/22 15:00	6.7	112	-16.8	88.2	0.0	0.0	M	99.9
12/13/22 16:00	7.5	109	-15.9	89.1	0.0	0.0	M	99.8
12/13/22 17:00	6.4	107	-15.2	89.7	0.0	0.0	M	99.8
12/13/22 18:00	5.0	121	-15.3	89.6	0.0	0.0	M	99.7
12/13/22 19:00	3.4	148	-15.5	89.2	0.0	0.0	M	99.7
12/13/22 20:00	1.3	90	-16.3	88.6	0.0	0.0	M	99.6
12/13/22 21:00	2.6	227	-15.5	89.5	0.0	0.0	M	99.6
12/13/22 22:00	10.0	263	-16.1	88.6	0.0	0.0	M	99.6
12/13/22 23:00	9.7	265	-17.9	87.3	0.0	0.0	M	99.6
12/14/22 0:00	10.6	261	-18.5	86.3	0.0	0.0	M	99.7
12/14/22 1:00	8.1	244	-19.2	83.5	0.0	0.0	M	99.7
12/14/22 2:00	7.4	234	-19.3	81.0	0.0	0.0	M	99.7
12/14/22 3:00	5.5	214	-19.4	81.2	0.0	0.0	M	99.8
12/14/22 4:00	8.9	243	-18.1	83.5	0.0	0.0	M	99.7
12/14/22 5:00	11.1	248	-17.9	86.4	0.0	0.0	M	99.7
12/14/22 6:00	11.5	250	-17.9	86.5	0.0	0.0	M	99.7
12/14/22 7:00	12.6	251	-18.0	86.6	0.0	0.0	M	99.7
12/14/22 8:00	12.3	249	-17.7	86.8	0.0	0.0	M	99.6
12/14/22 9:00	13.0	251	-17.4	87.1	0.0	0.0	M	99.7
12/14/22 10:00	12.5	255	-17.4	87.4	0.0	0.0	M	99.8
12/14/22 11:00	13.3	257	-17.9	87.1	1.0	0.0	M	99.8
12/14/22 12:00	13.1	261	-17.9	87.2	2.6	0.0	M	100.0
12/14/22 13:00	14.2	265	-17.5	87.2	2.3	0.0	M	100.0
12/14/22 14:00	16.7	267	-17.0	87.5	0.8	0.0	M	99.9
12/14/22 15:00	16.3	270	-17.2	87.4	0.0	0.0	M	100.2
12/14/22 16:00	14.7	272	-17.9	87.0	0.0	0.0	M	100.4
12/14/22 17:00	13.4	266	-18.4	86.4	0.0	0.0	M	100.6
12/14/22 18:00	13.5	263	-18.8	85.7	0.0	0.0	M	100.7
12/14/22 19:00	14.0	263	-18.9	85.7	0.0	0.0	M	100.7
12/14/22 20:00	13.9	265	-18.6	85.2	0.0	0.0	M	100.9
12/14/22 21:00	13.4	266	-18.4	85.4	0.0	0.0	M	101.0
12/14/22 22:00	13.2	266	-18.2	84.7	0.0	0.0	M	101.1
12/14/22 23:00	11.5	262	-18.6	85.0	0.0	0.0	M	101.2
12/15/22 0:00	11.2	265	-18.9	85.4	0.0	0.0	M	101.3
12/15/22 1:00	10.9	265	-19.2	84.7	0.0	0.0	M	101.5
12/15/22 2:00	10.8	264	-19.4	84.6	0.0	0.0	M	101.5
12/15/22 3:00	10.1	267	-19.5	84.6	0.0	0.0	M	101.6
12/15/22 4:00	10.8	265	-19.4	84.3	0.0	0.0	M	101.6
12/15/22 5:00	10.4	262	-19.3	84.7	0.0	0.0	M	101.8
12/15/22 6:00	9.0	279	-19.9	84.7	0.0	0.0	M	101.9
12/15/22 7:00	9.5	266	-19.6	84.3	0.0	0.0	M	101.9
12/15/22 8:00	9.8	265	-19.7	83.9	0.0	0.0	M	101.9
12/15/22 9:00	8.6	266	-20.1	83.4	0.0	0.0	M	102.1
12/15/22 10:00	7.7	263	-20.4	84.2	0.0	0.0	M	102.1
12/15/22 11:00	7.9	268	-20.6	83.9	0.9	0.0	M	102.2
12/15/22 12:00	7.5	278	-21.5	83.5	2.7	0.0	M	102.2
12/15/22 13:00	7.2	276	-21.8	83.0	3.7	0.0	M	102.3
12/15/22 14:00	8.4	275	-21.8	82.2	1.3	0.0	M	102.4
12/15/22 15:00	8.3	278	-21.9	81.9	0.0	0.0	M	102.5
12/15/22 16:00	7.8	275	-21.9	81.3	0.0	0.0	M	102.5
12/15/22 17:00	6.4	284	-22.7	81.9	0.0	0.0	M	102.6
12/15/22 18:00	6.4	288	-23.3	82.3	0.0	0.0	M	102.6
12/15/22 19:00	5.9	281	-22.5	83.1	0.0	0.0	M	102.6

12/15/22 20:00	7.6	273	-20.8	82.8	0.0	0.0	M	102.6
12/15/22 21:00	7.1	277	-20.3	82.9	0.0	0.0	M	102.7
12/15/22 22:00	7.2	271	-20.1	82.6	0.0	0.0	M	102.7
12/15/22 23:00	6.9	282	-21.2	83.7	0.0	0.0	M	102.7
12/16/22 0:00	5.8	274	-21.1	83.2	0.0	0.0	M	102.8
12/16/22 1:00	4.5	279	-21.1	84.4	0.0	0.0	M	102.8
12/16/22 2:00	4.9	276	-21.1	84.6	0.0	0.0	M	102.7
12/16/22 3:00	6.2	272	-20.2	85.7	0.0	0.0	M	102.7
12/16/22 4:00	7.1	273	-19.7	85.7	0.0	0.0	M	102.7
12/16/22 5:00	8.7	267	-20.0	84.8	0.0	0.0	M	102.7
12/16/22 6:00	9.1	266	-20.2	84.8	0.0	0.0	M	102.7
12/16/22 7:00	9.1	263	-20.3	84.2	0.0	0.0	M	102.7
12/16/22 8:00	9.1	260	-20.3	83.3	0.0	0.0	M	102.6
12/16/22 9:00	8.0	264	-20.4	83.3	0.0	0.0	M	102.6
12/16/22 10:00	6.1	268	-20.6	82.6	0.0	0.0	M	102.6
12/16/22 11:00	6.7	265	-20.7	82.8	0.9	0.0	M	102.5
12/16/22 12:00	6.5	262	-19.9	84.1	2.2	0.0	M	102.5
12/16/22 13:00	7.2	257	-19.2	85.4	1.8	0.0	M	102.4
12/16/22 14:00	7.5	254	-18.2	86.2	0.8	0.0	M	102.3
12/16/22 15:00	6.5	254	-17.7	84.9	0.0	0.0	M	102.3
12/16/22 16:00	6.1	242	-17.1	83.4	0.0	0.0	M	102.3
12/16/22 17:00	8.6	260	-16.9	85.7	0.0	0.0	M	102.2
12/16/22 18:00	9.3	267	-18.0	85.7	0.0	0.0	M	102.1
12/16/22 19:00	9.9	261	-18.9	85.6	0.0	0.0	M	102.1
12/16/22 20:00	8.8	266	-19.6	85.4	0.0	0.0	M	102.1
12/16/22 21:00	6.2	303	-19.6	85.4	0.0	0.0	M	102.2
12/16/22 22:00	6.8	320	-20.3	83.4	0.0	0.0	M	102.3
12/16/22 23:00	6.4	283	-22.1	82.5	0.0	0.0	M	102.4
12/17/22 0:00	6.9	290	-24.0	80.7	0.0	0.0	M	102.4
12/17/22 1:00	6.2	287	-24.2	81.0	0.0	0.0	M	102.4
12/17/22 2:00	7.2	290	-24.9	79.9	0.0	0.0	M	102.5
12/17/22 3:00	7.5	283	-25.3	79.3	0.0	0.0	M	102.5
12/17/22 4:00	7.5	279	-25.8	80.0	0.0	0.0	M	102.5
12/17/22 5:00	8.2	281	-26.2	79.9	0.0	0.0	M	102.5
12/17/22 6:00	8.5	276	-26.7	79.6	0.0	0.0	M	102.5
12/17/22 7:00	9.9	275	-26.3	79.4	0.0	0.0	M	102.5
12/17/22 8:00	10.0	270	-26.7	78.8	0.0	0.0	M	102.5
12/17/22 9:00	10.4	274	-26.0	79.6	0.0	0.0	M	102.5
12/17/22 10:00	10.0	289	-24.6	80.2	0.0	0.0	M	102.5
12/17/22 11:00	9.1	288	-24.4	80.0	0.8	0.0	M	102.5
12/17/22 12:00	9.7	294	-24.2	79.8	2.9	0.0	M	102.5
12/17/22 13:00	10.2	297	-24.1	79.5	2.8	0.0	M	102.5
12/17/22 14:00	10.5	297	-24.0	79.8	0.8	0.0	M	102.5
12/17/22 15:00	10.0	298	-24.0	79.8	0.0	0.0	M	102.5
12/17/22 16:00	9.2	289	-24.1	80.2	0.0	0.0	M	102.5
12/17/22 17:00	9.6	287	-24.0	80.6	0.0	0.0	M	102.5
12/17/22 18:00	9.3	287	-23.7	80.6	0.0	0.0	M	102.5
12/17/22 19:00	10.8	283	-23.5	80.3	0.0	0.0	M	102.4
12/17/22 20:00	11.8	282	-23.7	80.2	0.0	0.0	M	102.4
12/17/22 21:00	11.0	286	-24.1	79.2	0.0	0.0	M	102.4
12/17/22 22:00	11.7	282	-24.5	79.1	0.0	0.0	M	102.4
12/17/22 23:00	11.4	283	-24.3	79.4	0.0	0.0	M	102.3
12/18/22 0:00	11.1	284	-24.2	80.3	0.0	0.0	M	102.4
12/18/22 1:00	11.3	287	-24.4	79.1	0.0	0.0	M	102.3
12/18/22 2:00	11.2	284	-24.4	78.8	0.0	0.0	M	102.4
12/18/22 3:00	12.2	277	-24.2	79.6	0.0	0.0	M	102.3
12/18/22 4:00	12.2	274	-24.2	79.8	0.0	0.0	M	102.3
12/18/22 5:00	12.9	269	-24.6	79.0	0.0	0.0	M	102.3
12/18/22 6:00	13.1	267	-25.0	78.6	0.0	0.0	M	102.3
12/18/22 7:00	13.0	266	-25.3	78.1	0.0	0.0	M	102.3
12/18/22 8:00	13.0	264	-25.8	77.9	0.0	0.0	M	102.2
12/18/22 9:00	14.0	265	-26.1	77.0	0.0	0.0	M	102.2
12/18/22 10:00	14.0	265	-26.6	76.8	0.0	0.0	M	102.2
12/18/22 11:00	14.8	263	-26.5	76.8	0.4	0.0	M	102.1
12/18/22 12:00	15.3	263	-26.5	76.9	1.7	0.0	M	102.1
12/18/22 13:00	14.0	266	-26.3	76.5	2.1	0.0	M	102.2
12/18/22 14:00	13.3	265	-26.1	76.7	1.0	0.0	M	102.2
12/18/22 15:00	13.9	269	-25.6	76.8	0.0	0.0	M	102.2
12/18/22 16:00	13.6	265	-24.9	77.7	0.0	0.0	M	102.2
12/18/22 17:00	12.6	266	-24.3	78.3	0.0	0.0	M	102.1
12/18/22 18:00	14.3	263	-24.0	79.2	0.0	0.0	M	102.1
12/18/22 19:00	13.1	259	-24.4	79.8	0.0	0.0	M	102.1
12/18/22 20:00	10.7	254	-24.5	79.9	0.0	0.0	M	102.2
12/18/22 21:00	11.4	251	-24.4	80.1	0.0	0.0	M	102.2
12/18/22 22:00	11.4	251	-24.3	79.2	0.0	0.0	M	102.2
12/18/22 23:00	9.5	242	-24.2	76.4	0.0	0.0	M	102.3
12/19/22 0:00	8.5	243	-24.0	76.6	0.0	0.0	M	102.3
12/19/22 1:00	9.1	242	-23.9	76.7	0.0	0.0	M	102.3
12/19/22 2:00	9.1	256	-24.6	76.8	0.0	0.0	M	102.4
12/19/22 3:00	9.0	261	-26.0	76.6	0.0	0.0	M	102.4
12/19/22 4:00	9.0	261	-26.8	74.6	0.0	0.0	M	102.5
12/19/22 5:00	9.4	259	-27.1	73.8	0.0	0.0	M	102.5
12/19/22 6:00	9.6	258	-27.4	75.6	0.0	0.0	M	102.5

12/19/22 7:00	10.4	257	-27.7	75.9	0.0	0.0	M	102.5
12/19/22 8:00	9.4	255	-27.6	76.8	0.0	0.0	M	102.7
12/19/22 9:00	7.5	249	-26.8	76.7	0.0	0.0	M	102.7
12/19/22 10:00	10.2	250	-26.3	76.8	0.0	0.0	M	102.7
12/19/22 11:00	8.9	238	-25.3	74.4	0.8	0.0	M	102.7
12/19/22 12:00	8.9	234	-24.7	72.8	2.4	0.0	M	102.7
12/19/22 13:00	10.0	235	-24.1	74.2	2.4	0.0	M	102.7
12/19/22 14:00	7.9	219	-23.9	74.0	1.0	0.0	M	102.8
12/19/22 15:00	7.3	199	-24.1	76.7	0.0	0.0	M	102.8
12/19/22 16:00	7.8	208	-23.5	76.9	0.0	0.0	M	102.8
12/19/22 17:00	5.9	202	-23.4	77.6	0.0	0.0	M	102.9
12/19/22 18:00	6.3	237	-22.4	79.3	0.0	0.0	M	102.9
12/19/22 19:00	5.5	268	-22.8	80.5	0.0	0.0	M	102.9
12/19/22 20:00	6.9	272	-24.1	77.3	0.0	0.0	M	103.0
12/19/22 21:00	5.8	277	-25.6	76.0	0.0	0.0	M	103.0
12/19/22 22:00	6.2	273	-25.0	75.2	0.0	0.0	M	103.1
12/19/22 23:00	6.0	256	-23.5	76.4	0.0	0.0	M	103.1
12/20/22 0:00	7.7	254	-22.6	78.4	0.0	0.0	M	103.2
12/20/22 1:00	7.8	252	-22.6	80.5	0.0	0.0	M	103.2
12/20/22 2:00	7.5	250	-22.6	81.7	0.0	0.0	M	103.3
12/20/22 3:00	7.7	246	-22.3	80.5	0.0	0.0	M	103.3
12/20/22 4:00	8.6	249	-22.5	79.7	0.0	0.0	M	103.3
12/20/22 5:00	10.1	254	-22.7	80.4	0.0	0.0	M	103.3
12/20/22 6:00	9.3	252	-22.7	80.4	0.0	0.0	M	103.3
12/20/22 7:00	9.6	258	-22.8	80.9	0.0	0.0	M	103.3
12/20/22 8:00	8.9	258	-23.2	80.8	0.0	0.0	M	103.5
12/20/22 9:00	9.0	254	-23.9	80.9	0.0	0.0	M	103.4
12/20/22 10:00	7.9	246	-23.7	78.8	0.0	0.0	M	103.5
12/20/22 11:00	8.1	249	-23.9	77.6	0.6	0.0	M	103.5
12/20/22 12:00	4.8	213	-24.2	77.0	2.4	0.0	M	103.6
12/20/22 13:00	5.6	190	-25.5	75.6	2.5	0.0	M	103.6
12/20/22 14:00	5.6	214	-25.7	74.9	1.1	0.0	M	103.6
12/20/22 15:00	5.1	216	-25.8	74.0	0.0	0.0	M	103.6
12/20/22 16:00	5.9	228	-25.0	73.5	0.0	0.0	M	103.6
12/20/22 17:00	5.9	229	-25.3	73.3	0.0	0.0	M	103.6
12/20/22 18:00	5.0	206	-25.5	72.5	0.0	0.0	M	103.6
12/20/22 19:00	5.8	205	-25.9	72.4	0.0	0.0	M	103.6
12/20/22 20:00	5.0	195	-26.2	72.6	0.0	0.0	M	103.5
12/20/22 21:00	5.9	200	-26.4	72.5	0.0	0.0	M	103.5
12/20/22 22:00	5.7	191	-27.2	73.3	0.0	0.0	M	103.5
12/20/22 23:00	4.3	177	-27.9	73.0	0.0	0.0	M	103.5
12/21/22 0:00	1.9	167	-27.9	73.9	0.0	0.0	M	103.5
12/21/22 1:00	3.5	193	-27.3	72.4	0.0	0.0	M	103.5
12/21/22 2:00	3.6	185	-27.7	72.4	0.0	0.0	M	103.5
12/21/22 3:00	6.0	218	-26.3	71.2	0.0	0.0	M	103.5
12/21/22 4:00	5.0	219	-26.3	72.5	0.0	0.0	M	103.5
12/21/22 5:00	5.4	211	-26.7	73.2	0.0	0.0	M	103.4
12/21/22 6:00	6.0	208	-27.0	72.2	0.0	0.0	M	103.4
12/21/22 7:00	6.1	217	-27.0	72.3	0.0	0.0	M	103.4
12/21/22 8:00	7.2	221	-26.9	72.7	0.0	0.0	M	103.3
12/21/22 9:00	6.4	216	-26.8	72.5	0.0	0.0	M	103.4
12/21/22 10:00	3.9	190	-27.6	72.7	0.0	0.0	M	103.4
12/21/22 11:00	5.5	178	-27.8	72.7	0.8	0.0	M	103.4
12/21/22 12:00	2.2	171	-28.1	73.3	3.7	0.0	M	103.4
12/21/22 13:00	4.7	213	-26.8	73.2	3.5	0.0	M	103.4
12/21/22 14:00	2.2	217	-27.4	73.9	1.3	0.0	M	103.4
12/21/22 15:00	2.3	208	-27.2	74.7	0.0	0.0	M	103.4
12/21/22 16:00	5.5	232	-25.6	74.4	0.0	0.0	M	103.4
12/21/22 17:00	7.0	236	-25.3	74.7	0.0	0.0	M	103.4
12/21/22 18:00	4.4	218	-25.5	73.7	0.0	0.0	M	103.4
12/21/22 19:00	6.9	249	-25.6	77.2	0.0	0.0	M	103.4
12/21/22 20:00	7.2	262	-25.9	78.7	0.0	0.0	M	103.4
12/21/22 21:00	7.4	256	-26.1	77.9	0.0	0.0	M	103.4
12/21/22 22:00	6.5	256	-26.6	77.5	0.0	0.0	M	103.4
12/21/22 23:00	5.8	247	-27.3	76.9	0.0	0.0	M	103.4
12/22/22 0:00	5.6	250	-28.1	77.0	0.0	0.0	M	103.5
12/22/22 1:00	4.2	243	-28.2	76.7	0.0	0.0	M	103.4
12/22/22 2:00	5.1	223	-28.4	75.8	0.0	0.0	M	103.4
12/22/22 3:00	7.9	245	-27.6	74.2	0.0	0.0	M	103.4
12/22/22 4:00	8.3	249	-27.7	73.4	0.0	0.0	M	103.4
12/22/22 5:00	7.5	248	-28.5	73.7	0.0	0.0	M	103.4
12/22/22 6:00	8.0	247	-28.8	74.0	0.0	0.0	M	103.5
12/22/22 7:00	7.1	246	-29.3	73.5	0.0	0.0	M	103.5
12/22/22 8:00	4.9	233	-29.8	72.9	0.0	0.0	M	103.5
12/22/22 9:00	5.9	254	-30.0	73.1	0.0	0.0	M	103.5
12/22/22 10:00	5.3	228	-30.3	73.0	0.0	0.0	M	103.5
12/22/22 11:00	3.9	228	-30.7	72.7	1.0	0.0	M	103.6
12/22/22 12:00	4.3	190	-31.4	70.7	3.4	0.0	M	103.6
12/22/22 13:00	5.4	201	-31.8	70.4	3.9	0.0	M	103.6
12/22/22 14:00	4.6	200	-31.6	69.3	1.7	0.0	M	103.7
12/22/22 15:00	5.2	206	-31.4	68.2	0.0	0.0	M	103.7
12/22/22 16:00	1.8	143	-32.4	68.8	0.0	0.0	M	103.8
12/22/22 17:00	1.6	122	-33.9	71.2	0.0	0.0	M	103.8

12/22/22 18:00	0.8	100	-34.7	70.8	0.0	0.0	M	103.9
12/22/22 19:00	0.7	70	-35.3	70.2	0.0	0.0	M	103.7
12/22/22 20:00	0.6	66	-35.8	69.8	0.0	0.0	M	101.9
12/22/22 21:00	0.9	78	-36.0	69.7	0.0	0.0	M	101.8
12/22/22 22:00	0.6	83	-36.2	69.5	0.0	0.0	M	101.2
12/22/22 23:00	0.9	77	-36.6	69.1	0.0	0.0	M	100.9
12/23/22 0:00	1.1	82	-36.7	69.1	0.0	0.0	M	100.8
12/23/22 1:00	0.7	78	-37.0	68.7	0.0	0.0	M	99.7
12/23/22 2:00	0.8	74	-37.1	68.6	0.0	0.0	M	99.2
12/23/22 3:00	0.6	64	-37.3	68.4	0.0	0.0	M	98.7
12/23/22 4:00	0.8	89	-37.2	68.6	0.0	0.0	M	99.2
12/23/22 5:00	0.8	79	-37.5	68.2	0.0	0.0	M	98.6
12/23/22 6:00	1.2	83	-37.5	68.3	0.0	0.0	M	99.2
12/23/22 7:00	1.0	76	-37.5	68.2	0.0	0.0	M	98.9
12/23/22 8:00	1.4	57	-37.3	68.4	0.0	0.0	M	99.3
12/23/22 9:00	1.1	82	-37.4	68.3	0.0	0.0	M	99.6
12/23/22 10:00	1.0	70	-37.6	68.1	0.0	0.0	M	98.8
12/23/22 11:00	0.8	97	-37.8	67.7	0.5	0.0	M	98.4
12/23/22 12:00	0.5	96	-38.4	67.1	2.8	0.0	M	96.5
12/23/22 13:00	0.8	82	-38.4	67.2	4.0	0.0	M	96.9
12/23/22 14:00	0.7	73	-38.4	67.1	2.3	0.0	M	96.8
12/23/22 15:00	1.0	70	-38.0	67.7	0.0	0.0	M	97.7
12/23/22 16:00	1.3	67	-37.4	68.2	0.0	0.0	M	99.3
12/23/22 17:00	0.8	78	-37.4	68.2	0.0	0.0	M	99.9
12/23/22 18:00	0.9	88	-37.5	68.0	0.0	0.0	M	99.9
12/23/22 19:00	0.2	260	-37.7	67.7	0.0	0.0	M	98.6
12/23/22 20:00	0.4	110	-37.4	67.9	0.0	0.0	M	99.6
12/23/22 21:00	0.6	130	-37.7	67.7	0.0	0.0	M	99.7
12/23/22 22:00	0.1	123	-38.0	67.4	0.0	0.0	M	99.8
12/23/22 23:00	0.2	128	-37.3	68.0	0.0	0.0	M	101.0
12/24/22 0:00	0.6	130	-37.0	68.3	0.0	0.0	M	101.3
12/24/22 1:00	0.6	108	-37.0	68.4	0.0	0.0	M	101.4
12/24/22 2:00	0.2	140	-37.3	67.9	0.0	0.0	M	99.8
12/24/22 3:00	0.1	92	-37.3	67.9	0.0	0.0	M	99.1
12/24/22 4:00	0.1	147	-37.3	67.9	0.0	0.0	M	98.2
12/24/22 5:00	0.2	97	-37.5	67.7	0.0	0.0	M	98.2
12/24/22 6:00	0.1	226	-37.5	67.8	0.0	0.0	M	98.6
12/24/22 7:00	0.2	115	-37.3	68.0	0.0	0.0	M	99.1
12/24/22 8:00	0.3	116	-36.9	68.4	0.0	0.0	M	101.0
12/24/22 9:00	C	C	-37.1	68.0	0.0	0.0	M	100.3
12/24/22 10:00	0.7	243	-36.3	69.1	0.0	0.0	M	101.4
12/24/22 11:00	1.8	284	-35.9	69.9	0.7	0.0	M	104.0
12/24/22 12:00	3.1	296	-35.0	70.5	2.4	0.0	M	103.9
12/24/22 13:00	2.7	289	-34.8	70.6	2.8	0.0	M	103.9
12/24/22 14:00	4.3	291	-34.7	70.9	1.4	0.0	M	103.9
12/24/22 15:00	4.1	288	-34.9	70.6	0.0	0.0	M	103.8
12/24/22 16:00	3.8	290	-34.9	70.5	0.0	0.0	M	103.8
12/24/22 17:00	5.2	289	-34.9	70.6	0.0	0.0	M	103.8
12/24/22 18:00	5.2	287	-35.1	70.4	0.0	0.0	M	103.7
12/24/22 19:00	5.4	289	-35.1	70.3	0.0	0.0	M	103.7
12/24/22 20:00	5.9	284	-35.3	70.2	0.0	0.0	M	103.6
12/24/22 21:00	5.8	286	-35.2	70.2	0.0	0.0	M	103.6
12/24/22 22:00	5.4	284	-35.8	69.6	0.0	0.0	M	103.6
12/24/22 23:00	6.2	289	-35.7	69.6	0.0	0.0	M	103.5
12/25/22 0:00	5.4	288	-36.2	69.3	0.0	0.0	M	103.5
12/25/22 1:00	6.4	281	-35.9	69.6	0.0	0.0	M	103.4
12/25/22 2:00	5.6	282	-35.5	69.9	0.0	0.0	M	103.4
12/25/22 3:00	6.4	277	-35.5	70.0	0.0	0.0	M	103.5
12/25/22 4:00	7.3	284	-35.1	70.4	0.0	0.0	M	103.4
12/25/22 5:00	7.9	282	-35.1	70.3	0.0	0.0	M	103.4
12/25/22 6:00	8.1	282	-35.0	70.5	0.0	0.0	M	103.4
12/25/22 7:00	7.6	287	-35.0	70.4	0.0	0.0	M	103.4
12/25/22 8:00	7.3	281	-35.3	70.1	0.0	0.0	M	103.4
12/25/22 9:00	8.1	280	-35.2	70.2	0.0	0.0	M	103.4
12/25/22 10:00	7.2	285	-35.5	69.9	0.0	0.0	M	103.4
12/25/22 11:00	6.6	285	-35.4	70.1	0.8	0.0	M	103.4
12/25/22 12:00	7.9	280	-34.9	70.5	2.8	0.0	M	103.3
12/25/22 13:00	8.8	280	-34.8	70.6	3.2	0.0	M	103.2
12/25/22 14:00	9.9	286	-34.8	70.5	1.3	0.0	M	103.2
12/25/22 15:00	10.0	282	-34.7	70.7	0.0	0.0	M	103.3
12/25/22 16:00	7.2	288	-34.6	70.7	0.0	0.0	M	103.3
12/25/22 17:00	7.4	283	-34.8	70.5	0.0	0.0	M	103.3
12/25/22 18:00	6.5	286	-34.8	70.6	0.0	0.0	M	103.2
12/25/22 19:00	5.5	290	-34.6	70.7	0.0	0.0	M	103.2
12/25/22 20:00	6.6	293	-34.5	70.9	0.0	0.0	M	103.2
12/25/22 21:00	7.9	284	-34.3	71.1	0.0	0.0	M	103.1
12/25/22 22:00	8.6	281	-34.1	71.3	0.0	0.0	M	103.1
12/25/22 23:00	8.7	280	-34.0	71.3	0.0	0.0	M	103.0
12/26/22 0:00	8.6	285	-34.5	70.8	0.0	0.0	M	103.0
12/26/22 1:00	8.6	282	-34.6	70.8	0.0	0.0	M	103.0
12/26/22 2:00	7.3	283	-34.3	71.0	0.0	0.0	M	102.9
12/26/22 3:00	9.1	283	-34.2	71.1	0.0	0.0	M	102.8
12/26/22 4:00	7.6	287	-34.2	71.1	0.0	0.0	M	102.8

12/26/22 5:00	7.0	283	-34.1	71.3	0.0	0.0	M	102.8
12/26/22 6:00	7.3	285	-34.1	71.2	0.0	0.0	M	102.7
12/26/22 7:00	6.0	282	-34.4	70.9	0.0	0.0	M	102.6
12/26/22 8:00	5.1	283	-34.4	71.0	0.0	0.0	M	102.6
12/26/22 9:00	4.4	288	-33.9	71.5	0.0	0.0	M	102.6
12/26/22 10:00	3.1	281	-34.1	71.0	0.0	0.0	M	102.5
12/26/22 11:00	3.8	276	-35.1	70.1	0.8	0.0	M	102.5
12/26/22 12:00	2.9	277	-35.8	69.6	2.5	0.0	M	102.4
12/26/22 13:00	2.0	258	-35.5	69.6	2.1	0.0	M	102.1
12/26/22 14:00	0.9	126	-37.8	67.3	0.7	0.0	M	97.3
12/26/22 15:00	0.1	198	-38.6	66.6	0.0	0.0	M	94.9
12/26/22 16:00	0.5	83	-38.8	66.4	0.0	0.0	M	94.0
12/26/22 17:00	0.5	149	-38.9	66.2	0.0	0.0	M	93.3
12/26/22 18:00	0.3	77	-39.0	66.1	0.0	0.0	M	92.9
12/26/22 19:00	0.3	80	-38.9	66.2	0.0	0.0	M	93.0
12/26/22 20:00	0.4	92	-38.9	66.2	0.0	0.0	M	92.9
12/26/22 21:00	0.2	67	-39.2	65.9	0.0	0.0	M	92.5
12/26/22 22:00	0.2	350	-39.1	66.0	0.0	0.0	M	92.8
12/26/22 23:00	0.5	55	-38.6	66.6	0.0	0.0	M	94.1
12/27/22 0:00	0.6	77	-38.3	66.8	0.0	0.0	M	94.8
12/27/22 1:00	0.6	75	-38.1	67.0	0.0	0.0	M	95.0
12/27/22 2:00	0.6	82	-38.0	67.1	0.0	0.0	M	95.6
12/27/22 3:00	0.6	87	-37.9	67.2	0.0	0.0	M	96.1
12/27/22 4:00	0.5	53	-37.6	67.5	0.0	0.0	M	96.5
12/27/22 5:00	0.5	86	-37.3	67.8	0.0	0.0	M	97.7
12/27/22 6:00	0.5	77	-36.5	68.5	0.0	0.0	M	99.4
12/27/22 7:00	0.5	72	-36.0	69.1	0.0	0.0	M	100.4
12/27/22 8:00	0.7	86	-35.6	69.4	0.0	0.0	M	101.6
12/27/22 9:00	0.8	103	-35.3	69.8	0.0	0.0	M	101.6
12/27/22 10:00	1.4	111	-34.6	70.6	0.0	0.0	M	101.6
12/27/22 11:00	1.6	127	-33.9	71.3	0.3	0.0	M	101.5
12/27/22 12:00	1.7	133	-33.0	72.1	1.1	0.0	M	101.5
12/27/22 13:00	1.8	125	-32.7	72.4	1.4	0.0	M	101.5
12/27/22 14:00	1.3	112	-32.6	72.5	0.5	0.0	M	101.5
12/27/22 15:00	1.1	102	-32.2	72.9	0.0	0.0	M	101.5
12/27/22 16:00	1.1	109	-31.2	74.1	0.0	0.0	M	101.5
12/27/22 17:00	1.2	108	-30.3	74.6	0.0	0.0	M	101.4
12/27/22 18:00	1.3	95	-29.8	75.3	0.0	0.0	M	101.5
12/27/22 19:00	2.0	91	-29.1	76.1	0.0	0.0	M	101.4
12/27/22 20:00	2.4	122	-26.6	78.7	0.0	0.0	M	101.4
12/27/22 21:00	2.9	124	-25.6	79.3	0.0	0.0	M	101.4
12/27/22 22:00	2.4	125	-25.8	79.1	0.0	0.0	M	101.4
12/27/22 23:00	2.8	140	-26.7	78.4	0.0	0.0	M	101.4
12/28/22 0:00	2.1	117	-27.1	77.9	0.0	0.0	M	101.4
12/28/22 1:00	2.6	132	-27.2	78.1	0.0	0.0	M	101.4
12/28/22 2:00	2.3	109	-26.9	78.2	0.0	0.0	M	101.4
12/28/22 3:00	1.8	126	-26.9	78.5	0.0	0.0	M	101.4
12/28/22 4:00	1.6	108	-27.7	77.3	0.0	0.0	M	101.4
12/28/22 5:00	2.1	111	-28.1	77.3	0.0	0.0	M	101.4
12/28/22 6:00	1.4	103	-28.5	76.8	0.0	0.0	M	101.4
12/28/22 7:00	1.2	77	-28.8	76.6	0.0	0.0	M	101.4
12/28/22 8:00	2.0	101	-28.3	77.4	0.0	0.0	M	101.4
12/28/22 9:00	3.6	125	-27.2	78.0	0.0	0.0	M	101.4
12/28/22 10:00	3.7	138	-27.2	78.3	0.0	0.0	M	101.4
12/28/22 11:00	5.1	135	-26.3	79.2	0.1	0.0	M	101.4
12/28/22 12:00	4.9	129	-25.1	80.3	0.9	0.0	M	101.4
12/28/22 13:00	5.4	125	-24.6	80.8	0.9	0.0	M	101.4
12/28/22 14:00	5.2	116	-22.7	82.5	0.4	0.0	M	101.3
12/28/22 15:00	6.8	113	-22.2	82.9	0.0	0.0	M	101.3
12/28/22 16:00	7.0	112	-21.9	83.3	0.0	0.0	M	101.3
12/28/22 17:00	8.2	114	-22.2	83.0	0.0	0.0	M	101.2
12/28/22 18:00	8.7	125	-22.5	82.9	0.0	0.0	M	101.2
12/28/22 19:00	8.6	122	-22.1	83.3	0.0	0.0	M	101.2
12/28/22 20:00	7.9	121	-21.6	83.9	0.0	0.0	M	101.2
12/28/22 21:00	8.2	120	-21.3	84.1	0.0	0.0	M	101.2
12/28/22 22:00	8.7	120	-20.4	84.9	0.0	0.0	M	101.2
12/28/22 23:00	9.9	119	-20.2	85.1	0.0	0.0	M	101.2
12/29/22 0:00	9.5	117	-20.0	85.4	0.0	0.0	M	101.2
12/29/22 1:00	10.5	121	-19.8	85.5	0.0	0.0	M	101.1
12/29/22 2:00	10.6	122	-19.7	85.7	0.0	0.0	M	101.1
12/29/22 3:00	10.6	119	-19.8	85.5	0.0	0.0	M	101.1
12/29/22 4:00	10.7	127	-19.5	85.9	0.0	0.0	M	101.0
12/29/22 5:00	10.7	128	-19.2	85.9	0.0	0.0	M	101.0
12/29/22 6:00	9.0	116	-18.8	86.3	0.0	0.0	M	101.0
12/29/22 7:00	9.6	123	-18.7	86.2	0.0	0.0	M	100.9
12/29/22 8:00	9.5	122	-18.7	85.7	0.0	0.0	M	100.9
12/29/22 9:00	8.5	124	-18.7	84.8	0.0	0.0	M	100.8
12/29/22 10:00	9.0	129	-18.7	83.5	0.0	0.0	M	100.8
12/29/22 11:00	8.5	132	-18.8	82.4	0.4	0.0	M	100.8
12/29/22 12:00	8.5	128	-19.2	81.4	2.2	0.0	M	100.7
12/29/22 13:00	8.1	127	-19.6	81.1	2.7	0.0	M	100.7
12/29/22 14:00	8.0	130	-19.5	82.3	1.5	0.0	M	100.6
12/29/22 15:00	6.8	136	-19.2	83.4	0.0	0.0	M	100.6

12/29/22 16:00	5.8	133	-19.4	83.2	0.0	0.0	M	100.5
12/29/22 17:00	5.7	137	-19.2	83.0	0.0	0.0	M	100.5
12/29/22 18:00	6.8	141	-19.2	83.4	0.0	0.0	M	100.4
12/29/22 19:00	7.0	146	-19.3	83.9	0.0	0.0	M	100.3
12/29/22 20:00	5.6	149	-19.3	84.5	0.0	0.0	M	100.3
12/29/22 21:00	5.4	152	-19.0	84.3	0.0	0.0	M	100.3
12/29/22 22:00	5.0	157	-18.8	83.9	0.0	0.0	M	100.2
12/29/22 23:00	5.4	163	-18.4	84.3	0.0	0.0	M	100.2
12/30/22 0:00	5.3	161	-18.1	85.2	0.0	0.0	M	100.2
12/30/22 1:00	5.0	170	-17.7	83.9	0.0	0.0	M	100.2
12/30/22 2:00	3.4	175	-17.4	83.4	0.0	0.0	M	100.1
12/30/22 3:00	3.5	202	-17.1	83.0	0.0	0.0	M	100.1
12/30/22 4:00	3.3	193	-17.1	83.6	0.0	0.0	M	100.1
12/30/22 5:00	1.0	118	-16.9	85.5	0.0	0.0	M	100.1
12/30/22 6:00	1.4	156	-16.8	85.9	0.0	0.0	M	100.0
12/30/22 7:00	0.4	128	-16.7	86.2	0.0	0.0	M	100.0
12/30/22 8:00	0.2	31	-16.5	86.4	0.0	0.0	M	100.0
12/30/22 9:00	0.5	269	-16.4	86.2	0.0	0.0	M	100.0
12/30/22 10:00	1.8	201	-16.3	86.0	0.0	0.0	M	100.0
12/30/22 11:00	1.4	252	-16.5	86.7	0.4	0.0	M	100.0
12/30/22 12:00	1.2	258	-16.7	87.0	1.6	0.0	M	100.0
12/30/22 13:00	1.7	289	-16.7	86.1	1.8	0.0	M	100.0
12/30/22 14:00	1.6	286	-16.8	85.3	1.0	0.0	M	100.0
12/30/22 15:00	1.4	282	-17.0	86.1	0.0	0.0	M	100.0
12/30/22 16:00	0.8	290	-17.1	86.3	0.0	0.0	M	100.0
12/30/22 17:00	0.8	279	-17.2	86.4	0.0	0.0	M	100.0
12/30/22 18:00	1.0	295	-17.2	86.3	0.0	0.0	M	100.0
12/30/22 19:00	1.4	278	-17.4	86.5	0.0	0.0	M	100.0
12/30/22 20:00	0.6	307	-17.3	86.4	0.0	0.0	M	100.0
12/30/22 21:00	1.3	349	-17.5	86.2	0.0	0.0	M	100.0
12/30/22 22:00	1.5	0	-17.7	86.6	0.0	0.0	M	100.1
12/30/22 23:00	1.8	24	-17.7	86.6	0.0	0.0	M	100.1
12/31/22 0:00	1.7	56	-17.8	86.5	0.0	0.0	M	100.1
12/31/22 1:00	1.1	50	-18.0	86.3	0.0	0.0	M	100.1
12/31/22 2:00	1.8	60	-18.1	86.4	0.0	0.0	M	100.1
12/31/22 3:00	2.4	24	-18.7	85.9	0.0	0.0	M	100.1
12/31/22 4:00	2.7	26	-19.4	85.5	0.0	0.0	M	100.2
12/31/22 5:00	2.4	32	-19.5	85.1	0.0	0.0	M	100.2
12/31/22 6:00	2.9	25	-20.2	84.1	0.0	0.0	M	100.2
12/31/22 7:00	3.2	29	-21.0	83.4	0.0	0.0	M	100.2
12/31/22 8:00	1.8	45	-21.6	83.4	0.0	0.0	M	100.2
12/31/22 9:00	2.6	30	-21.9	83.1	0.0	0.0	M	100.2
12/31/22 10:00	3.6	28	-22.6	82.1	0.0	0.0	M	100.3
12/31/22 11:00	3.6	25	-23.3	81.5	0.8	0.0	M	100.3
12/31/22 12:00	2.6	28	-24.1	81.0	2.4	0.0	M	100.3
12/31/22 13:00	2.7	36	-24.4	81.0	2.8	0.0	M	100.4
12/31/22 14:00	2.8	39	-24.9	80.8	1.6	0.0	M	100.4
12/31/22 15:00	3.0	52	-25.1	80.3	0.1	0.0	M	100.4
12/31/22 16:00	2.4	29	-24.9	80.0	0.0	0.0	M	100.5
12/31/22 17:00	3.0	50	-25.2	79.8	0.0	0.0	M	100.4
12/31/22 18:00	4.1	48	-25.7	79.2	0.0	0.0	M	100.5
12/31/22 19:00	3.4	51	-25.9	79.9	0.0	0.0	M	100.5
12/31/22 20:00	4.8	29	-25.7	80.2	0.0	0.0	M	100.5
12/31/22 21:00	3.0	24	-26.0	80.1	0.0	0.0	M	100.5
12/31/22 22:00	2.1	24	-26.2	79.8	0.0	0.0	M	100.5
12/31/22 23:00	3.2	23	-26.2	80.2	0.0	0.0	M	100.5
1/1/23 0:00	2.5	23	-25.9	80.4	0.0	0.0	M	100.6
1/1/23 1:00	2.2	20	-25.3	80.6	0.0	0.0	M	100.6
1/1/23 2:00	2.8	43	-25.2	80.3	0.0	0.0	M	100.6
1/1/23 3:00	3.8	56	-26.1	79.1	0.0	0.0	M	100.6
1/1/23 4:00	4.0	49	-27.9	77.5	0.0	0.0	M	100.6
1/1/23 5:00	1.4	51	-29.4	76.5	0.0	0.0	M	100.7
1/1/23 6:00	0.5	220	-29.8	76.7	0.0	0.0	M	100.7
1/1/23 7:00	2.2	332	-27.9	78.0	0.0	0.0	M	100.7
1/1/23 8:00	1.8	11	-27.8	77.8	0.0	0.0	M	100.7
1/1/23 9:00	2.5	329	-27.4	77.7	0.0	0.0	M	100.7
1/1/23 10:00	3.5	338	-27.6	77.4	0.0	0.0	M	100.8
1/1/23 11:00	4.6	322	-28.1	76.5	0.8	0.0	M	100.8
1/1/23 12:00	5.2	335	-28.6	76.0	2.8	0.0	M	100.8
1/1/23 13:00	4.2	307	-29.9	74.9	4.1	0.0	M	100.9
1/1/23 14:00	4.8	290	-31.6	73.8	2.4	0.0	M	100.9
1/1/23 15:00	4.1	309	-32.3	73.4	0.3	0.0	M	100.9
1/1/23 16:00	3.0	291	-32.5	72.4	0.0	0.0	M	100.9
1/1/23 17:00	4.3	287	-33.9	72.4	0.0	0.0	M	100.9
1/1/23 18:00	5.6	289	-34.1	72.3	0.0	0.0	M	101.0
1/1/23 19:00	5.7	288	-34.1	72.0	0.0	0.0	M	100.9
1/1/23 20:00	5.1	284	-34.6	71.8	0.0	0.0	M	100.9
1/1/23 21:00	5.7	288	-34.3	72.2	0.0	0.0	M	101.0
1/1/23 22:00	4.6	281	-33.8	72.4	0.0	0.0	M	101.0
1/1/23 23:00	5.1	288	-33.6	72.6	0.0	0.0	M	100.9
1/2/23 0:00	8.9	284	-33.3	72.8	0.0	0.0	M	100.9
1/2/23 1:00	8.7	284	-33.3	72.7	0.0	0.0	M	101.0
1/2/23 2:00	4.9	281	-33.1	72.9	0.0	0.0	M	101.0

1/2/23 3:00	3.4	277	-33.0	73.0	0.0	0.0	M	101.0
1/2/23 4:00	7.1	286	-33.3	72.7	0.0	0.0	M	101.0
1/2/23 5:00	6.9	278	-33.4	72.4	0.0	0.0	M	101.0
1/2/23 6:00	6.5	284	-33.7	72.3	0.0	0.0	M	101.0
1/2/23 7:00	4.7	282	-34.1	71.9	0.0	0.0	M	101.0
1/2/23 8:00	3.2	284	-34.2	71.6	0.0	0.0	M	101.0
1/2/23 9:00	4.7	294	-34.0	72.1	0.0	0.0	M	101.0
1/2/23 10:00	5.4	273	-34.5	71.3	0.0	0.0	M	101.0
1/2/23 11:00	5.4	276	-34.6	71.3	1.4	0.0	M	101.0
1/2/23 12:00	3.0	299	-34.2	71.6	4.0	0.0	M	101.0
1/2/23 13:00	6.7	298	-33.9	71.9	4.9	0.0	M	101.0
1/2/23 14:00	9.7	283	-33.9	72.0	2.2	0.0	M	101.0
1/2/23 15:00	10.0	277	-33.7	72.2	0.1	0.0	M	101.0
1/2/23 16:00	10.2	273	-33.1	72.9	0.0	0.0	M	101.0
1/2/23 17:00	10.4	278	-32.6	73.1	0.0	0.0	M	101.0
1/2/23 18:00	11.4	282	-32.5	73.2	0.0	0.0	M	100.9
1/2/23 19:00	13.1	284	-32.3	73.4	0.0	0.0	M	100.9
1/2/23 20:00	10.9	288	-32.1	73.5	0.0	0.0	M	101.0
1/2/23 21:00	9.6	282	-31.8	73.8	0.0	0.0	M	101.0
1/2/23 22:00	9.9	275	-31.5	74.0	0.0	0.0	M	101.0
1/2/23 23:00	7.0	283	-31.3	74.0	0.0	0.0	M	101.2
1/3/23 0:00	5.8	273	-31.2	74.2	0.0	0.0	M	101.2
1/3/23 1:00	7.9	274	-31.1	74.2	0.0	0.0	M	101.2
1/3/23 2:00	4.5	289	-31.0	74.3	0.0	0.0	M	101.2
1/3/23 3:00	1.6	352	-30.8	74.8	0.0	0.0	M	101.2
1/3/23 4:00	6.1	288	-30.8	74.6	0.0	0.0	M	101.2
1/3/23 5:00	4.9	287	-30.7	74.4	0.0	0.0	M	101.2
1/3/23 6:00	7.9	282	-30.6	74.3	0.0	0.0	M	101.1
1/3/23 7:00	6.1	295	-30.7	74.3	0.0	0.0	M	101.2
1/3/23 8:00	3.6	300	-30.8	74.3	0.0	0.0	M	101.2
1/3/23 9:00	2.9	305	-30.9	74.4	0.0	0.0	M	101.2
1/3/23 10:00	2.4	270	-31.0	74.5	0.0	0.0	M	101.2
1/3/23 11:00	2.0	263	-31.1	74.5	1.6	0.0	M	101.3
1/3/23 12:00	1.5	147	-32.1	73.4	3.9	0.0	M	101.3
1/3/23 13:00	1.1	166	-33.0	72.8	4.1	0.0	M	101.2
1/3/23 14:00	1.3	151	-33.4	72.3	2.0	0.0	M	101.2
1/3/23 15:00	1.1	143	-33.8	71.9	0.2	0.0	M	101.2
1/3/23 16:00	0.3	114	-33.7	71.8	0.0	0.0	M	101.3
1/3/23 17:00	0.3	64	-33.8	71.7	0.0	0.0	M	101.3
1/3/23 18:00	0.1	153	-33.7	71.8	0.0	0.0	M	101.2
1/3/23 19:00	0.1	102	-33.6	71.9	0.0	0.0	M	101.2
1/3/23 20:00	0.3	93	-33.7	71.7	0.0	0.0	M	101.2
1/3/23 21:00	0.2	64	-34.0	71.6	0.0	0.0	M	101.1
1/3/23 22:00	0.7	101	-33.6	72.0	0.0	0.0	M	101.1
1/3/23 23:00	0.5	107	-33.8	71.7	0.0	0.0	M	101.1
1/4/23 0:00	0.9	108	-34.0	71.6	0.0	0.0	M	101.1
1/4/23 1:00	0.4	75	-34.1	71.4	0.0	0.0	M	101.1
1/4/23 2:00	0.3	52	-33.9	71.7	0.0	0.0	M	101.0
1/4/23 3:00	0.5	77	-33.6	71.8	0.0	0.0	M	101.0
1/4/23 4:00	0.2	64	-33.9	71.6	0.0	0.0	M	101.0
1/4/23 5:00	0.3	90	-33.5	71.9	0.0	0.0	M	101.0
1/4/23 6:00	0.4	96	-33.5	71.9	0.0	0.0	M	100.9
1/4/23 7:00	0.1	79	-33.5	71.9	0.0	0.0	M	100.9
1/4/23 8:00	0.3	75	-33.3	72.1	0.0	0.0	M	100.9
1/4/23 9:00	0.5	100	-33.3	72.1	0.0	0.0	M	100.9
1/4/23 10:00	0.2	80	-33.4	71.9	0.0	0.0	M	100.9
1/4/23 11:00	0.3	85	-33.3	72.0	1.1	0.0	M	100.9
1/4/23 12:00	0.4	101	-33.5	71.8	3.8	0.0	M	100.9
1/4/23 13:00	0.2	68	-33.3	72.0	4.6	0.0	M	100.9
1/4/23 14:00	0.2	56	-33.2	72.1	2.5	0.0	M	100.9
1/4/23 15:00	C	C	-33.0	72.3	0.3	0.0	M	100.9
1/4/23 16:00	C	C	-33.1	72.2	0.0	0.0	M	100.9
1/4/23 17:00	0.2	153	-32.8	72.5	0.0	0.0	M	100.9
1/4/23 18:00	0.3	51	-32.7	72.5	0.0	0.0	M	100.9
1/4/23 19:00	0.1	46	-32.7	72.7	0.0	0.0	M	100.9
1/4/23 20:00	0.1	161	-32.3	73.0	0.0	0.0	M	100.9
1/4/23 21:00	0.5	99	-32.4	73.0	0.0	0.0	M	100.9
1/4/23 22:00	0.2	87	-32.5	72.8	0.0	0.0	M	100.9
1/4/23 23:00	0.5	105	-32.2	73.2	0.0	0.0	M	100.9
1/5/23 0:00	0.6	101	-31.9	73.5	0.0	0.0	M	100.9
1/5/23 1:00	0.7	92	-32.0	73.4	0.0	0.0	M	101.0
1/5/23 2:00	0.9	73	-31.6	74.0	0.0	0.0	M	101.0
1/5/23 3:00	1.3	54	-31.0	74.5	0.0	0.0	M	101.0
1/5/23 4:00	1.2	63	-30.7	74.8	0.0	0.0	M	101.0
1/5/23 5:00	1.0	52	-31.1	74.5	0.0	0.0	M	101.0
1/5/23 6:00	1.0	63	-31.4	74.0	0.0	0.0	M	101.0
1/5/23 7:00	0.9	84	-31.9	73.6	0.0	0.0	M	101.0
1/5/23 8:00	1.0	85	-32.3	73.2	0.0	0.0	M	101.0
1/5/23 9:00	1.0	67	-32.3	73.2	0.0	0.0	M	101.0
1/5/23 10:00	1.2	77	-32.6	72.9	0.0	0.0	M	101.0
1/5/23 11:00	1.2	83	-33.0	72.6	1.2	0.0	M	101.0
1/5/23 12:00	1.0	78	-33.0	72.6	3.5	0.0	M	101.1
1/5/23 13:00	1.2	80	-33.1	72.4	4.3	0.0	M	101.1

1/5/23 14:00	1.1	75	-33.3	72.3	2.8	0.0	M	101.2
1/5/23 15:00	0.9	71	-33.3	72.2	0.4	0.0	M	101.2
1/5/23 16:00	1.1	83	-33.2	72.3	0.0	0.0	M	101.2
1/5/23 17:00	0.8	82	-33.6	71.9	0.0	0.0	M	101.2
1/5/23 18:00	1.1	82	-33.8	71.7	0.0	0.0	M	101.2
1/5/23 19:00	0.9	81	-33.9	71.6	0.0	0.0	M	101.2
1/5/23 20:00	1.3	100	-34.0	71.5	0.0	0.0	M	101.2
1/5/23 21:00	1.0	85	-34.2	71.4	0.0	0.0	M	101.2
1/5/23 22:00	1.4	78	-34.4	71.2	0.0	0.0	M	101.2
1/5/23 23:00	1.3	74	-34.2	71.3	0.0	0.0	M	101.2
1/6/23 0:00	1.5	93	-34.3	71.2	0.0	0.0	M	101.3
1/6/23 1:00	1.5	111	-34.3	71.3	0.0	0.0	M	101.3
1/6/23 2:00	1.2	108	-34.9	70.8	0.0	0.0	M	101.3
1/6/23 3:00	1.1	127	-34.5	71.1	0.0	0.0	M	101.3
1/6/23 4:00	1.1	125	-34.6	71.2	0.0	0.0	M	101.3
1/6/23 5:00	1.3	102	-33.7	71.8	0.0	0.0	M	101.3
1/6/23 6:00	2.1	110	-32.2	73.5	0.0	0.0	M	101.3
1/6/23 7:00	2.7	111	-30.3	75.3	0.0	0.0	M	101.3
1/6/23 8:00	3.2	108	-29.3	76.0	0.0	0.0	M	101.3
1/6/23 9:00	2.8	97	-29.1	75.8	0.0	0.0	M	101.2
1/6/23 10:00	3.1	86	-29.4	76.2	0.0	0.0	M	101.2
1/6/23 11:00	3.2	93	-28.6	76.5	0.8	0.0	M	101.2
1/6/23 12:00	3.7	82	-29.4	75.7	2.3	0.0	M	101.3
1/6/23 13:00	3.6	86	-29.6	75.9	2.5	0.0	M	101.2
1/6/23 14:00	3.5	101	-28.1	77.3	1.3	0.0	M	101.2
1/6/23 15:00	3.7	108	-26.4	78.8	0.0	0.0	M	101.2
1/6/23 16:00	3.8	90	-27.0	78.3	0.0	0.0	M	101.2
1/6/23 17:00	3.7	96	-26.7	78.3	0.0	0.0	M	101.2
1/6/23 18:00	4.5	81	-27.1	78.3	0.0	0.0	M	101.1
1/6/23 19:00	4.6	74	-26.7	78.7	0.0	0.0	M	101.1
1/6/23 20:00	4.5	77	-26.5	78.9	0.0	0.0	M	101.0
1/6/23 21:00	4.4	87	-26.1	79.4	0.0	0.0	M	101.1
1/6/23 22:00	4.4	87	-25.4	79.9	0.0	0.0	M	101.0
1/6/23 23:00	3.5	97	-25.0	80.6	0.0	0.0	M	101.1
1/7/23 0:00	3.6	97	-24.0	81.2	0.0	0.0	M	101.1
1/7/23 1:00	3.4	91	-24.1	81.0	0.0	0.0	M	101.0
1/7/23 2:00	4.0	85	-24.3	81.0	0.0	0.0	M	101.0
1/7/23 3:00	4.8	84	-24.4	81.0	0.0	0.0	M	101.1
1/7/23 4:00	4.9	84	-24.3	81.2	0.0	0.0	M	101.0
1/7/23 5:00	5.6	94	-23.2	82.4	0.0	0.0	M	101.0
1/7/23 6:00	5.8	94	-22.6	82.9	0.0	0.0	M	101.0
1/7/23 7:00	5.6	106	-20.4	85.0	0.0	0.0	M	101.0
1/7/23 8:00	5.1	111	-19.5	85.6	0.0	0.0	M	101.0
1/7/23 9:00	4.4	116	-19.8	85.4	0.0	0.0	M	101.0
1/7/23 10:00	4.8	113	-19.9	85.3	0.0	0.0	M	101.0
1/7/23 11:00	5.5	104	-20.2	85.1	0.5	0.0	M	101.0
1/7/23 12:00	6.2	109	-19.7	85.7	1.7	0.0	M	101.0
1/7/23 13:00	6.8	108	-19.0	86.5	1.8	0.0	M	101.0
1/7/23 14:00	6.6	106	-18.8	86.4	1.2	0.0	M	101.1
1/7/23 15:00	6.7	106	-18.7	86.4	0.2	0.0	M	101.1
1/7/23 16:00	6.1	99	-19.4	85.8	0.0	0.0	M	101.1
1/7/23 17:00	6.5	91	-19.9	85.5	0.0	0.0	M	101.1
1/7/23 18:00	7.2	95	-19.3	86.1	0.0	0.0	M	101.1
1/7/23 19:00	6.7	96	-18.7	86.5	0.0	0.0	M	101.1
1/7/23 20:00	6.9	102	-17.6	87.6	0.0	0.0	M	101.1
1/7/23 21:00	5.9	96	-18.1	86.8	0.0	0.0	M	101.1
1/7/23 22:00	6.3	87	-18.6	86.6	0.0	0.0	M	101.1
1/7/23 23:00	6.9	83	-18.8	86.5	0.0	0.0	M	101.1
1/8/23 0:00	7.4	80	-19.0	86.4	0.0	0.0	M	101.1
1/8/23 1:00	7.3	75	-19.1	86.3	0.0	0.0	M	101.2
1/8/23 2:00	7.9	63	-19.4	86.0	0.0	0.0	M	101.2
1/8/23 3:00	8.5	65	-19.7	85.7	0.0	0.0	M	101.2
1/8/23 4:00	9.3	62	-20.5	84.9	0.0	0.0	M	101.3
1/8/23 5:00	9.5	60	-21.5	84.0	0.0	0.0	M	101.3
1/8/23 6:00	9.2	49	-23.6	82.1	0.0	0.0	M	101.3
1/8/23 7:00	10.0	52	-25.8	80.2	0.0	0.0	M	101.4
1/8/23 8:00	7.1	53	-27.1	79.0	0.0	0.0	M	101.5
1/8/23 9:00	5.5	59	-27.7	78.4	0.0	0.0	M	101.6
1/8/23 10:00	2.9	47	-27.9	78.2	0.1	0.0	M	101.6
1/8/23 11:00	2.9	40	-27.6	78.4	2.2	0.0	M	101.7
1/8/23 12:00	7.4	51	-27.2	78.5	5.1	0.0	M	101.7
1/8/23 13:00	6.4	58	-27.5	78.5	5.6	0.0	M	101.8
1/8/23 14:00	3.0	67	-28.1	77.7	4.2	0.0	M	101.9
1/8/23 15:00	4.0	55	-28.3	77.5	0.6	0.0	M	101.9
1/8/23 16:00	3.1	58	-28.4	77.0	0.0	0.0	M	101.9
1/8/23 17:00	3.3	56	-28.4	76.7	0.0	0.0	M	101.9
1/8/23 18:00	2.8	58	-28.4	76.8	0.0	0.0	M	101.9
1/8/23 19:00	3.7	60	-28.6	76.6	0.0	0.0	M	101.9
1/8/23 20:00	4.1	91	-28.9	77.0	0.0	0.0	M	102.0
1/8/23 21:00	4.4	85	-30.1	75.9	0.0	0.0	M	102.0
1/8/23 22:00	4.3	80	-31.0	75.1	0.0	0.0	M	102.0
1/8/23 23:00	4.2	82	-31.4	74.9	0.0	0.0	M	102.0
1/9/23 0:00	4.7	82	-31.2	74.8	0.0	0.0	M	101.9

1/9/23 1:00	4.4	80	-31.4	74.7	0.0	0.0	M	102.0
1/9/23 2:00	4.6	97	-30.4	76.0	0.0	0.0	M	102.0
1/9/23 3:00	3.6	101	-30.4	75.4	0.0	0.0	M	102.0
1/9/23 4:00	3.5	91	-30.8	75.1	0.0	0.0	M	102.0
1/9/23 5:00	3.6	80	-30.8	75.1	0.0	0.0	M	102.0
1/9/23 6:00	3.7	89	-30.6	75.3	0.0	0.0	M	101.9
1/9/23 7:00	4.8	99	-29.5	76.5	0.0	0.0	M	101.9
1/9/23 8:00	4.7	113	-29.4	76.4	0.0	0.0	M	101.8
1/9/23 9:00	3.6	100	-30.6	74.7	0.0	0.0	M	101.8
1/9/23 10:00	3.2	116	-30.8	74.7	0.0	0.0	M	101.8
1/9/23 11:00	3.0	110	-31.2	74.6	0.8	0.0	M	101.8
1/9/23 12:00	2.9	111	-30.9	74.6	2.2	0.0	M	101.7
1/9/23 13:00	2.3	114	-31.7	74.2	2.7	0.0	M	101.7
1/9/23 14:00	1.7	104	-32.3	73.1	1.5	0.0	M	101.6
1/9/23 15:00	1.5	91	-33.2	72.7	0.2	0.0	M	101.5
1/9/23 16:00	2.2	81	-32.7	73.1	0.0	0.0	M	101.4
1/9/23 17:00	2.8	84	-31.0	75.0	0.0	0.0	M	101.4
1/9/23 18:00	3.0	82	-29.3	76.6	0.0	0.0	M	101.3
1/9/23 19:00	2.9	83	-27.9	77.8	0.0	0.0	M	101.2
1/9/23 20:00	3.2	88	-26.4	79.2	0.0	0.0	M	101.1
1/9/23 21:00	3.2	80	-24.7	80.8	0.0	0.0	M	101.0
1/9/23 22:00	3.4	86	-22.8	82.8	0.0	0.0	M	100.9
1/9/23 23:00	3.4	103	-19.6	85.8	0.0	0.0	M	100.8
1/10/23 0:00	6.6	137	-18.3	86.5	0.0	0.0	M	100.7
1/10/23 1:00	5.9	139	-17.7	87.2	0.0	0.0	M	100.7
1/10/23 2:00	5.3	135	-16.9	87.9	0.0	0.0	M	100.6
1/10/23 3:00	6.2	159	-16.2	88.7	0.0	0.0	M	100.6
1/10/23 4:00	3.6	159	-15.1	89.6	0.0	0.0	M	100.4
1/10/23 5:00	5.7	181	-14.6	90.0	0.0	0.0	M	100.4
1/10/23 6:00	6.2	174	-14.5	90.1	0.0	0.0	M	100.3
1/10/23 7:00	7.4	200	-13.9	90.6	0.0	0.0	M	100.2
1/10/23 8:00	7.7	210	-13.5	90.7	0.0	0.0	M	100.1
1/10/23 9:00	7.4	246	-13.8	90.5	0.0	0.0	M	100.1
1/10/23 10:00	8.6	253	-14.6	89.3	0.0	0.0	M	100.1
1/10/23 11:00	9.7	255	-15.5	88.4	1.6	0.0	M	100.1
1/10/23 12:00	10.6	254	-17.3	87.1	4.4	0.0	M	100.1
1/10/23 13:00	11.5	256	-18.3	86.6	5.0	0.0	M	100.0
1/10/23 14:00	10.0	258	-17.7	87.1	2.9	0.0	M	100.1
1/10/23 15:00	9.9	276	-18.0	86.5	0.8	0.0	M	100.1
1/10/23 16:00	10.5	280	-18.7	85.1	0.0	0.0	M	100.2
1/10/23 17:00	11.0	277	-18.8	84.1	0.0	0.0	M	100.2
1/10/23 18:00	10.3	276	-19.1	85.0	0.0	0.0	M	100.2
1/10/23 19:00	11.2	277	-18.8	85.6	0.0	0.0	M	100.2
1/10/23 20:00	11.6	290	-19.2	84.4	0.0	0.0	M	100.2
1/10/23 21:00	9.2	290	-19.6	82.9	0.0	0.0	M	100.2
1/10/23 22:00	10.7	286	-20.0	83.1	0.0	0.0	M	100.3
1/10/23 23:00	11.1	288	-20.3	81.8	0.0	0.0	M	100.3
1/11/23 0:00	7.4	312	-22.6	79.2	0.0	0.0	M	100.5
1/11/23 1:00	7.6	298	-23.8	79.5	0.0	0.0	M	100.6
1/11/23 2:00	9.0	316	-23.4	78.1	0.0	0.0	M	100.7
1/11/23 3:00	7.9	309	-24.6	77.1	0.0	0.0	M	100.9
1/11/23 4:00	8.7	303	-26.1	76.4	0.0	0.0	M	101.0
1/11/23 5:00	8.9	303	-27.4	75.1	0.0	0.0	M	101.0
1/11/23 6:00	9.5	304	-28.4	74.5	0.0	0.0	M	101.2
1/11/23 7:00	8.1	292	-29.2	75.4	0.0	0.0	M	101.2
1/11/23 8:00	8.5	296	-28.8	75.7	0.0	0.0	M	101.4
1/11/23 9:00	8.3	304	-28.5	73.8	0.0	0.0	M	101.4
1/11/23 10:00	8.5	306	-30.5	71.0	0.2	0.0	M	101.6
1/11/23 11:00	6.5	295	-31.4	71.1	3.3	0.0	M	101.7
1/11/23 12:00	7.2	287	-31.8	72.2	7.7	0.0	M	101.8
1/11/23 13:00	8.2	277	-31.9	72.6	8.7	0.0	M	101.9
1/11/23 14:00	9.0	279	-31.9	72.5	5.7	0.0	M	102.0
1/11/23 15:00	8.9	273	-32.2	72.5	1.7	0.0	M	102.0
1/11/23 16:00	9.0	265	-32.4	72.4	0.0	0.0	M	102.1
1/11/23 17:00	9.0	271	-32.0	72.3	0.0	0.0	M	102.1
1/11/23 18:00	8.8	267	-31.3	71.3	0.0	0.0	M	102.2
1/11/23 19:00	8.1	265	-30.7	70.2	0.0	0.0	M	102.1
1/11/23 20:00	10.8	263	-30.7	70.2	0.0	0.0	M	102.0
1/11/23 21:00	11.1	259	-30.4	70.9	0.0	0.0	M	102.0
1/11/23 22:00	10.6	259	-30.0	72.2	0.0	0.0	M	102.0
1/11/23 23:00	11.1	262	-29.6	74.3	0.0	0.0	M	102.1
1/12/23 0:00	11.9	262	-29.4	75.5	0.0	0.0	M	102.0
1/12/23 1:00	12.3	266	-29.3	75.5	0.0	0.0	M	102.0
1/12/23 2:00	12.8	265	-29.2	75.3	0.0	0.0	M	101.9
1/12/23 3:00	12.5	266	-29.0	75.1	0.0	0.0	M	102.0
1/12/23 4:00	10.8	266	-29.1	75.3	0.0	0.0	M	102.0
1/12/23 5:00	10.5	267	-29.0	76.2	0.0	0.0	M	102.0
1/12/23 6:00	11.8	268	-28.9	76.2	0.0	0.0	M	101.9
1/12/23 7:00	11.2	265	-28.5	76.5	0.0	0.0	M	101.9
1/12/23 8:00	9.9	264	-28.3	77.0	0.0	0.0	M	101.9
1/12/23 9:00	10.6	266	-28.0	77.0	0.0	0.0	M	101.8
1/12/23 10:00	12.0	269	-27.5	76.6	0.1	0.0	M	101.9
1/12/23 11:00	11.9	270	-26.7	77.1	2.1	0.0	M	101.8

1/12/23 12:00	14.2	268	-26.5	78.7	5.0	0.0	M	101.7
1/12/23 13:00	12.4	267	-26.3	78.3	5.8	0.0	M	101.7
1/12/23 14:00	12.2	264	-26.1	78.0	3.5	0.0	M	101.7
1/12/23 15:00	10.3	265	-26.1	77.9	0.6	0.0	M	101.7
1/12/23 16:00	11.9	268	-26.1	77.9	0.0	0.0	M	101.7
1/12/23 17:00	11.8	263	-25.8	78.9	0.0	0.0	M	101.6
1/12/23 18:00	10.9	267	-25.6	79.3	0.0	0.0	M	101.6
1/12/23 19:00	10.5	265	-26.2	79.1	0.0	0.0	M	101.6
1/12/23 20:00	10.7	264	-26.8	78.3	0.0	0.0	M	101.5
1/12/23 21:00	11.5	270	-27.2	77.8	0.0	0.0	M	101.5
1/12/23 22:00	11.6	268	-27.4	77.6	0.0	0.0	M	101.4
1/12/23 23:00	13.3	266	-27.3	77.5	0.0	0.0	M	101.3
1/13/23 0:00	12.9	271	-27.3	77.4	0.0	0.0	M	101.3
1/13/23 1:00	14.1	269	-27.3	77.2	0.0	0.0	M	101.3
1/13/23 2:00	13.1	271	-27.2	77.3	0.0	0.0	M	101.4
1/13/23 3:00	11.2	272	-27.1	77.5	0.0	0.0	M	101.3
1/13/23 4:00	11.2	273	-27.1	77.3	0.0	0.0	M	101.4
1/13/23 5:00	9.8	272	-27.2	77.1	0.0	0.0	M	101.4
1/13/23 6:00	12.8	269	-27.4	76.5	0.0	0.0	M	101.3
1/13/23 7:00	12.6	269	-27.4	76.3	0.0	0.0	M	101.3
1/13/23 8:00	11.1	265	-27.6	76.4	0.0	0.0	M	101.3
1/13/23 9:00	11.4	274	-28.0	76.4	0.0	0.0	M	101.3
1/13/23 10:00	10.6	276	-28.0	76.4	0.2	0.0	M	101.3
1/13/23 11:00	9.2	275	-27.5	77.0	2.9	0.0	M	101.4
1/13/23 12:00	8.1	278	-26.7	78.3	6.2	0.0	M	101.4
1/13/23 13:00	5.5	291	-25.7	79.4	6.5	0.0	M	101.5
1/13/23 14:00	5.3	300	-25.3	78.9	5.1	0.0	M	101.5
1/13/23 15:00	5.2	327	-26.5	76.5	1.7	0.0	M	101.6
1/13/23 16:00	2.7	300	-27.8	74.6	0.0	0.0	M	101.6
1/13/23 17:00	3.3	278	-28.7	76.0	0.0	0.0	M	101.6
1/13/23 18:00	1.4	348	-29.6	76.7	0.0	0.0	M	101.6
1/13/23 19:00	1.0	254	-30.1	76.0	0.0	0.0	M	101.6
1/13/23 20:00	1.1	262	-30.5	75.8	0.0	0.0	M	101.6
1/13/23 21:00	1.0	266	-31.1	75.1	0.0	0.0	M	101.6
1/13/23 22:00	0.7	271	-32.2	74.0	0.0	0.0	M	101.6
1/13/23 23:00	1.2	289	-31.9	74.6	0.0	0.0	M	101.6
1/14/23 0:00	0.6	86	-33.3	72.4	0.0	0.0	M	101.6
1/14/23 1:00	0.5	332	-34.2	72.2	0.0	0.0	M	101.7
1/14/23 2:00	0.4	131	-34.5	71.4	0.0	0.0	M	101.6
1/14/23 3:00	0.4	207	-34.6	71.3	0.0	0.0	M	101.6
1/14/23 4:00	0.5	71	-35.7	70.2	0.0	0.0	M	101.3
1/14/23 5:00	0.3	91	-36.0	70.0	0.0	0.0	M	100.0
1/14/23 6:00	0.5	96	-36.4	69.4	0.0	0.0	M	99.0
1/14/23 7:00	0.2	72	-36.6	69.2	0.0	0.0	M	98.3
1/14/23 8:00	0.2	70	-36.9	68.9	0.0	0.0	M	97.2
1/14/23 9:00	0.5	64	-37.1	68.8	0.0	0.0	M	97.1
1/14/23 10:00	0.2	66	-36.7	69.2	0.1	0.0	M	97.5
1/14/23 11:00	0.8	108	-36.8	69.1	2.1	0.0	M	99.1
1/14/23 12:00	0.4	102	-36.6	69.2	4.8	0.0	M	100.2
1/14/23 13:00	0.2	92	-36.0	69.7	5.2	0.0	M	101.3
1/14/23 14:00	0.4	73	-35.3	70.5	3.1	0.0	M	101.3
1/14/23 15:00	0.6	73	-34.8	71.0	0.8	0.0	M	101.2
1/14/23 16:00	0.8	79	-34.1	71.8	0.0	0.0	M	101.2
1/14/23 17:00	1.3	78	-33.6	72.3	0.0	0.0	M	101.2
1/14/23 18:00	1.9	63	-33.0	73.0	0.0	0.0	M	101.1
1/14/23 19:00	1.8	78	-33.0	73.0	0.0	0.0	M	101.0
1/14/23 20:00	2.4	100	-31.9	74.0	0.0	0.0	M	101.0
1/14/23 21:00	3.3	100	-31.5	74.3	0.0	0.0	M	101.0
1/14/23 22:00	3.2	105	-30.5	75.4	0.0	0.0	M	101.0
1/14/23 23:00	3.6	81	-30.8	74.8	0.0	0.0	M	100.9
1/15/23 0:00	3.7	83	-29.9	75.8	0.0	0.0	M	100.9
1/15/23 1:00	3.6	93	-29.0	76.5	0.0	0.0	M	100.8
1/15/23 2:00	4.2	85	-29.5	76.1	0.0	0.0	M	100.8
1/15/23 3:00	4.2	94	-28.8	76.8	0.0	0.0	M	100.9
1/15/23 4:00	4.6	86	-29.0	76.4	0.0	0.0	M	100.9
1/15/23 5:00	4.1	84	-29.8	75.7	0.0	0.0	M	100.9
1/15/23 6:00	4.9	85	-29.9	75.7	0.0	0.0	M	100.8
1/15/23 7:00	5.6	83	-29.8	75.8	0.0	0.0	M	100.8
1/15/23 8:00	6.3	86	-29.7	75.9	0.0	0.0	M	100.8
1/15/23 9:00	6.3	83	-29.8	75.8	0.0	0.0	M	100.9
1/15/23 10:00	6.6	78	-30.0	75.6	0.3	0.0	M	100.9
1/15/23 11:00	6.0	79	-30.1	75.5	2.8	0.0	M	100.9
1/15/23 12:00	5.6	81	-30.5	75.0	5.3	0.0	M	100.9
1/15/23 13:00	5.4	70	-31.1	74.4	6.5	0.0	M	101.0
1/15/23 14:00	4.6	65	-31.6	73.9	4.9	0.0	M	101.0
1/15/23 15:00	4.1	67	-31.7	73.9	1.6	0.0	M	101.0
1/15/23 16:00	4.1	71	-32.0	73.5	0.0	0.0	M	101.1
1/15/23 17:00	4.7	76	-32.2	73.6	0.0	0.0	M	101.1
1/15/23 18:00	4.4	72	-32.3	73.3	0.0	0.0	M	101.2
1/15/23 19:00	4.0	73	-32.1	73.6	0.0	0.0	M	101.2
1/15/23 20:00	4.3	72	-32.0	73.6	0.0	0.0	M	101.2
1/15/23 21:00	2.9	69	-32.1	73.5	0.0	0.0	M	101.3
1/15/23 22:00	3.1	67	-32.2	73.3	0.0	0.0	M	101.3

1/15/23 23:00	4.4	71	-32.4	73.1	0.0	0.0	M	101.3
1/16/23 0:00	3.9	71	-32.8	72.7	0.0	0.0	M	101.4
1/16/23 1:00	4.4	71	-32.9	72.7	0.0	0.0	M	101.4
1/16/23 2:00	3.0	80	-33.3	72.2	0.0	0.0	M	101.5
1/16/23 3:00	3.3	61	-33.5	72.1	0.0	0.0	M	101.6
1/16/23 4:00	2.6	67	-33.8	71.6	0.0	0.0	M	101.6
1/16/23 5:00	2.5	63	-34.2	71.3	0.0	0.0	M	101.7
1/16/23 6:00	2.0	53	-34.4	71.1	0.0	0.0	M	101.7
1/16/23 7:00	1.0	36	-34.6	70.9	0.0	0.0	M	101.7
1/16/23 8:00	1.3	63	-34.6	70.9	0.0	0.0	M	101.8
1/16/23 9:00	2.1	57	-34.4	71.2	0.0	0.0	M	101.8
1/16/23 10:00	1.5	87	-34.6	70.7	0.4	0.0	M	101.8
1/16/23 11:00	1.5	80	-34.9	70.5	4.6	0.0	M	101.8
1/16/23 12:00	1.5	91	-34.4	71.2	19.0	0.0	M	101.9
1/16/23 13:00	1.3	104	-34.4	71.0	17.0	0.0	M	101.9
1/16/23 14:00	1.7	100	-34.9	70.4	7.1	0.0	M	102.0
1/16/23 15:00	1.6	109	-35.1	70.5	2.5	0.0	M	102.0
1/16/23 16:00	1.6	94	-35.8	69.3	0.0	0.0	M	102.0
1/16/23 17:00	1.7	120	-35.3	70.2	0.0	0.0	M	102.0
1/16/23 18:00	1.3	106	-35.9	69.2	0.0	0.0	M	101.8
1/16/23 19:00	1.3	101	-36.5	68.8	0.0	0.0	M	101.0
1/16/23 20:00	1.0	96	-36.8	68.4	0.0	0.0	M	99.9
1/16/23 21:00	1.3	108	-36.5	69.0	0.0	0.0	M	101.0
1/16/23 22:00	1.3	90	-36.7	68.7	0.0	0.0	M	100.6
1/16/23 23:00	1.2	109	-36.4	68.7	0.0	0.0	M	101.0
1/17/23 0:00	1.2	99	-36.4	68.9	0.0	0.0	M	101.5
1/17/23 1:00	1.3	102	-36.2	69.1	0.0	0.0	M	101.8
1/17/23 2:00	1.3	96	-36.5	68.8	0.0	0.0	M	101.3
1/17/23 3:00	2.5	91	-36.1	69.4	0.0	0.0	M	102.0
1/17/23 4:00	2.3	99	-34.5	70.9	0.0	0.0	M	102.0
1/17/23 5:00	2.2	108	-33.9	71.8	0.0	0.0	M	101.9
1/17/23 6:00	3.7	99	-32.7	72.4	0.0	0.0	M	101.9
1/17/23 7:00	3.6	94	-33.1	72.4	0.0	0.0	M	101.8
1/17/23 8:00	3.0	111	-31.8	73.5	0.0	0.0	M	101.8
1/17/23 9:00	3.5	96	-32.3	72.6	0.0	0.0	M	101.7
1/17/23 10:00	3.3	91	-33.0	72.4	0.1	0.0	M	101.6
1/17/23 11:00	3.4	99	-31.7	73.5	2.6	0.0	M	101.6
1/17/23 12:00	3.4	81	-32.4	73.0	5.2	0.0	M	101.5
1/17/23 13:00	3.9	79	-31.8	73.6	5.7	0.0	M	101.5
1/17/23 14:00	4.2	94	-30.6	74.9	3.8	0.0	M	101.4
1/17/23 15:00	5.3	103	-28.2	77.5	0.6	0.0	M	101.4
1/17/23 16:00	5.4	102	-26.9	78.3	0.0	0.0	M	101.3
1/17/23 17:00	5.3	104	-25.8	79.3	0.0	0.0	M	101.3
1/17/23 18:00	5.3	108	-24.6	80.9	0.0	0.0	M	101.2
1/17/23 19:00	5.4	113	-23.9	81.5	0.0	0.0	M	101.1
1/17/23 20:00	5.1	112	-23.8	81.6	0.0	0.0	M	101.1
1/17/23 21:00	5.2	113	-24.3	80.8	0.0	0.0	M	101.0
1/17/23 22:00	5.6	113	-24.0	81.8	0.0	0.0	M	101.0
1/17/23 23:00	4.2	112	-22.8	82.7	0.0	0.0	M	101.0
1/18/23 0:00	5.4	110	-21.9	83.7	0.0	0.0	M	100.9
1/18/23 1:00	5.1	113	-21.6	83.6	0.0	0.0	M	100.9
1/18/23 2:00	5.4	114	-21.0	84.1	0.0	0.0	M	100.9
1/18/23 3:00	4.4	110	-20.7	84.6	0.0	0.0	M	100.9
1/18/23 4:00	4.7	107	-20.0	85.1	0.0	0.0	M	100.8
1/18/23 5:00	4.8	108	-19.6	85.6	0.0	0.0	M	100.8
1/18/23 6:00	4.6	105	-19.9	85.4	0.0	0.0	M	100.8
1/18/23 7:00	4.5	98	-19.9	85.1	0.0	0.0	M	100.7
1/18/23 8:00	4.6	98	-19.7	85.5	0.0	0.0	M	100.7
1/18/23 9:00	4.2	90	-19.7	85.5	0.0	0.0	M	100.7
1/18/23 10:00	4.8	88	-19.5	85.7	0.1	0.0	M	100.7
1/18/23 11:00	4.1	82	-19.5	85.7	1.7	0.0	M	100.7
1/18/23 12:00	3.4	84	-19.3	85.8	4.1	0.0	M	100.7
1/18/23 13:00	4.0	97	-18.8	86.6	5.9	0.0	M	100.7
1/18/23 14:00	4.4	106	-17.6	87.2	4.5	0.0	M	100.7
1/18/23 15:00	4.4	85	-18.9	86.1	0.9	0.0	M	100.7
1/18/23 16:00	4.7	73	-19.1	86.1	0.0	0.0	M	100.7
1/18/23 17:00	3.9	86	-18.8	86.5	0.0	0.0	M	100.7
1/18/23 18:00	5.7	81	-18.8	86.2	0.0	0.0	M	100.7
1/18/23 19:00	7.7	86	-18.7	86.6	0.0	0.0	M	100.6
1/18/23 20:00	8.4	94	-17.6	87.5	0.0	0.0	M	100.6
1/18/23 21:00	9.0	91	-17.4	87.4	0.0	0.0	M	100.5
1/18/23 22:00	8.8	94	-17.5	87.6	0.0	0.0	M	100.5
1/18/23 23:00	9.0	94	-17.5	87.5	0.0	0.0	M	100.5
1/19/23 0:00	8.2	96	-17.3	87.8	0.0	0.0	M	100.5
1/19/23 1:00	8.1	96	-17.0	87.7	0.0	0.0	M	100.5
1/19/23 2:00	7.5	87	-18.1	87.0	0.0	0.0	M	100.5
1/19/23 3:00	8.2	86	-18.5	86.7	0.0	0.0	M	100.5
1/19/23 4:00	8.1	90	-18.9	86.3	0.0	0.0	M	100.5
1/19/23 5:00	8.1	87	-19.5	85.7	0.0	0.0	M	100.4
1/19/23 6:00	8.7	82	-20.0	85.5	0.0	0.0	M	100.4
1/19/23 7:00	8.6	85	-19.3	86.1	0.0	0.0	M	100.3
1/19/23 8:00	9.8	98	-18.2	87.1	0.0	0.0	M	100.2
1/19/23 9:00	9.4	97	-18.3	86.8	0.0	0.0	M	100.2

1/19/23 10:00	9.1	98	-18.1	87.0	0.0	0.0	M	100.2
1/19/23 11:00	9.2	90	-18.6	86.6	1.6	0.0	M	100.1
1/19/23 12:00	8.7	91	-18.3	86.9	4.1	0.0	M	100.0
1/19/23 13:00	8.8	95	-18.0	87.2	5.3	0.0	M	99.9
1/19/23 14:00	10.7	93	-18.0	87.1	3.0	0.0	M	99.8
1/19/23 15:00	10.5	92	-18.0	87.2	0.6	0.0	M	99.8
1/19/23 16:00	10.5	85	-18.1	87.2	0.0	0.0	M	99.7
1/19/23 17:00	10.4	90	-17.4	88.0	0.0	0.0	M	99.6
1/19/23 18:00	10.6	82	-17.4	87.9	0.0	0.0	M	99.5
1/19/23 19:00	10.8	76	-17.4	87.9	0.0	0.0	M	99.4
1/19/23 20:00	10.2	80	-17.3	87.9	0.0	0.0	M	99.3
1/19/23 21:00	9.3	69	-17.1	88.0	0.0	0.0	M	99.1
1/19/23 22:00	9.9	72	-16.8	88.2	0.0	0.0	M	99.0
1/19/23 23:00	8.8	79	-16.6	88.3	0.0	0.0	M	99.1
1/20/23 0:00	8.5	71	-16.6	88.2	0.0	0.0	M	99.0
1/20/23 1:00	9.4	71	-16.4	88.1	0.0	0.0	M	98.9
1/20/23 2:00	7.8	64	-16.0	88.4	0.0	0.0	M	98.9
1/20/23 3:00	6.9	50	-15.6	88.7	0.0	0.0	M	98.9
1/20/23 4:00	7.1	43	-15.5	88.7	0.0	0.0	M	98.9
1/20/23 5:00	7.1	37	-15.7	88.2	0.0	0.0	M	98.9
1/20/23 6:00	7.0	30	-16.0	87.5	0.0	0.0	M	99.0
1/20/23 7:00	7.3	23	-16.3	86.6	0.0	0.0	M	99.1
1/20/23 8:00	7.4	14	-17.5	85.9	0.0	0.0	M	99.1
1/20/23 9:00	8.0	5	-18.7	84.6	0.0	0.0	M	99.2
1/20/23 10:00	7.6	360	-19.6	82.8	0.5	0.0	M	99.3
1/20/23 11:00	7.4	5	-20.5	82.2	4.3	0.0	M	99.4
1/20/23 12:00	6.1	354	-21.0	81.1	15.7	0.0	M	99.5
1/20/23 13:00	5.6	349	-21.0	80.5	27.1	0.0	M	99.6
1/20/23 14:00	4.7	327	-21.1	80.1	22.0	0.0	M	99.7
1/20/23 15:00	5.6	320	-21.1	80.5	3.7	0.0	M	99.8
1/20/23 16:00	5.6	324	-21.3	80.0	0.2	0.0	M	99.8
1/20/23 17:00	5.2	311	-21.2	80.5	0.0	0.0	M	99.9
1/20/23 18:00	5.5	323	-21.1	79.6	0.0	0.0	M	100.0
1/20/23 19:00	5.8	320	-21.1	79.6	0.0	0.0	M	100.0
1/20/23 20:00	5.6	321	-21.3	79.3	0.0	0.0	M	100.1
1/20/23 21:00	4.8	313	-21.7	80.0	0.0	0.0	M	100.2
1/20/23 22:00	3.6	308	-21.8	80.4	0.0	0.0	M	100.2
1/20/23 23:00	3.6	306	-22.5	80.3	0.0	0.0	M	100.3
1/21/23 0:00	4.9	288	-23.1	81.4	0.0	0.0	M	100.3
1/21/23 1:00	7.0	282	-23.5	80.8	0.0	0.0	M	100.3
1/21/23 2:00	7.4	281	-24.0	79.7	0.0	0.0	M	100.4
1/21/23 3:00	7.0	278	-24.6	79.5	0.0	0.0	M	100.4
1/21/23 4:00	7.0	281	-25.3	79.3	0.0	0.0	M	100.5
1/21/23 5:00	7.0	286	-26.0	78.7	0.0	0.0	M	100.5
1/21/23 6:00	5.0	303	-26.9	78.4	0.0	0.0	M	100.6
1/21/23 7:00	2.3	293	-27.7	77.9	0.0	0.0	M	100.6
1/21/23 8:00	2.4	266	-28.1	76.9	0.0	0.0	M	100.6
1/21/23 9:00	3.4	277	-28.3	76.6	0.0	0.0	M	100.6
1/21/23 10:00	2.5	287	-28.0	76.3	1.2	0.0	M	100.6
1/21/23 11:00	2.2	272	-28.0	76.2	6.1	0.0	M	100.6
1/21/23 12:00	2.6	279	-27.7	75.2	14.7	0.0	M	100.7
1/21/23 13:00	3.7	283	-27.8	75.0	17.7	0.0	M	100.8
1/21/23 14:00	3.1	302	-27.7	72.2	10.2	0.0	M	100.8
1/21/23 15:00	1.3	354	-28.5	73.4	3.6	0.0	M	100.8
1/21/23 16:00	1.2	301	-29.1	74.9	0.3	0.0	M	100.8
1/21/23 17:00	1.0	278	-29.4	75.0	0.0	0.0	M	100.9
1/21/23 18:00	1.0	264	-30.3	75.8	0.0	0.0	M	100.9
1/21/23 19:00	0.6	313	-31.5	75.0	0.0	0.0	M	100.9
1/21/23 20:00	1.1	254	-32.3	74.6	0.0	0.0	M	101.0
1/21/23 21:00	1.0	275	-32.2	74.1	0.0	0.0	M	101.0
1/21/23 22:00	1.2	274	-32.5	73.8	0.0	0.0	M	101.0
1/21/23 23:00	1.2	284	-32.6	73.7	0.0	0.0	M	101.0
1/22/23 0:00	3.6	269	-33.7	72.7	0.0	0.0	M	101.1
1/22/23 1:00	3.5	282	-34.2	72.3	0.0	0.0	M	101.1
1/22/23 2:00	3.9	278	-35.1	71.3	0.0	0.0	M	101.2
1/22/23 3:00	2.9	288	-34.6	71.8	0.0	0.0	M	101.3
1/22/23 4:00	3.4	282	-34.3	71.9	0.0	0.0	M	101.3
1/22/23 5:00	4.3	276	-34.2	72.0	0.0	0.0	M	101.4
1/22/23 6:00	4.3	270	-33.6	72.6	0.0	0.0	M	101.4
1/22/23 7:00	4.5	282	-33.0	73.2	0.0	0.0	M	101.5
1/22/23 8:00	4.1	292	-32.6	73.3	0.0	0.0	M	101.4
1/22/23 9:00	8.1	286	-32.2	73.9	0.0	0.0	M	101.4
1/22/23 10:00	8.7	285	-31.2	74.8	1.3	0.0	M	101.4
1/22/23 11:00	8.8	283	-30.4	75.5	7.0	0.0	M	101.5
1/22/23 12:00	7.8	279	-29.9	75.7	14.7	0.0	M	101.4
1/22/23 13:00	6.6	280	-29.7	76.1	13.9	0.0	M	101.4
1/22/23 14:00	10.2	273	-29.2	76.5	11.8	0.0	M	101.3
1/22/23 15:00	10.9	276	-29.1	76.5	5.4	0.0	M	101.4
1/22/23 16:00	10.7	270	-29.0	76.6	0.4	0.0	M	101.3
1/22/23 17:00	13.6	264	-28.3	77.1	0.0	0.0	M	101.2
1/22/23 18:00	14.5	265	-28.4	76.6	0.0	0.0	M	101.1
1/22/23 19:00	14.0	267	-28.6	76.2	0.0	0.0	M	101.1
1/22/23 20:00	11.1	266	-28.7	75.8	0.0	0.0	M	101.1

1/22/23 21:00	10.3	275	-29.1	75.6	0.0	0.0	M	101.1
1/22/23 22:00	10.5	279	-30.0	75.3	0.0	0.0	M	101.1
1/22/23 23:00	9.5	278	-30.3	75.3	0.0	0.0	M	101.1
1/23/23 0:00	9.0	283	-29.9	75.9	0.0	0.0	M	101.1
1/23/23 1:00	6.1	292	-29.3	76.5	0.0	0.0	M	101.2
1/23/23 2:00	4.2	294	-28.6	76.8	0.0	0.0	M	101.1
1/23/23 3:00	3.7	300	-29.0	76.2	0.0	0.0	M	101.2
1/23/23 4:00	3.8	286	-29.7	76.0	0.0	0.0	M	101.2
1/23/23 5:00	2.5	277	-30.7	75.0	0.0	0.0	M	101.2
1/23/23 6:00	2.8	275	-31.9	74.5	0.0	0.0	M	101.2
1/23/23 7:00	3.0	282	-32.7	73.6	0.0	0.0	M	101.3
1/23/23 8:00	4.2	284	-33.3	73.0	0.0	0.0	M	101.2
1/23/23 9:00	3.9	278	-33.5	72.5	0.0	0.0	M	101.2
1/23/23 10:00	3.4	282	-33.8	72.3	1.9	0.0	M	101.3
1/23/23 11:00	3.1	290	-33.1	72.5	13.8	0.0	M	101.3
1/23/23 12:00	3.5	286	-33.0	72.1	33.8	0.0	M	101.3
1/23/23 13:00	3.0	287	-32.8	72.0	39.9	0.0	M	101.3
1/23/23 14:00	4.3	285	-33.0	72.6	17.0	0.0	M	101.3
1/23/23 15:00	1.7	248	-33.3	72.6	6.1	0.0	M	101.3
1/23/23 16:00	3.6	292	-33.0	72.7	0.8	0.0	M	101.3
1/23/23 17:00	3.1	290	-33.7	72.1	0.0	0.0	M	101.3
1/23/23 18:00	4.0	293	-33.7	72.2	0.0	0.0	M	101.3
1/23/23 19:00	4.9	293	-33.4	72.5	0.0	0.0	M	101.2
1/23/23 20:00	6.5	280	-33.3	72.7	0.0	0.0	M	101.2
1/23/23 21:00	8.3	272	-31.7	74.3	0.0	0.0	M	101.1
1/23/23 22:00	9.0	274	-30.8	75.1	0.0	0.0	M	101.1
1/23/23 23:00	10.7	276	-30.1	75.5	0.0	0.0	M	101.0
1/24/23 0:00	10.8	279	-30.1	75.5	0.0	0.0	M	101.0
1/24/23 1:00	10.9	277	-29.5	76.0	0.0	0.0	M	101.1
1/24/23 2:00	8.4	267	-29.6	75.4	0.0	0.0	M	101.0
1/24/23 3:00	10.5	263	-29.9	75.0	0.0	0.0	M	101.0
1/24/23 4:00	9.9	266	-29.9	75.1	0.0	0.0	M	101.1
1/24/23 5:00	9.1	274	-29.7	75.3	0.0	0.0	M	101.0
1/24/23 6:00	12.3	269	-29.4	76.0	0.0	0.0	M	100.9
1/24/23 7:00	12.8	271	-28.9	76.1	0.0	0.0	M	100.9
1/24/23 8:00	11.9	276	-28.6	76.6	0.0	0.0	M	100.9
1/24/23 9:00	11.0	279	-27.8	77.3	0.0	0.0	M	100.9
1/24/23 10:00	10.6	279	-27.7	77.7	1.8	0.0	M	100.9
1/24/23 11:00	9.9	275	-27.7	77.6	8.2	0.0	M	101.1
1/24/23 12:00	7.2	283	-28.4	76.6	28.2	0.0	M	101.1
1/24/23 13:00	4.1	282	-28.9	75.6	39.5	0.0	M	101.2
1/24/23 14:00	4.1	271	-29.8	74.8	24.2	0.0	M	101.2
1/24/23 15:00	6.2	271	-30.3	75.1	10.0	0.0	M	101.3
1/24/23 16:00	3.8	275	-30.6	74.8	1.3	0.0	M	101.3
1/24/23 17:00	4.8	290	-30.5	74.9	0.0	0.0	M	101.4
1/24/23 18:00	4.3	295	-31.0	74.7	0.0	0.0	M	101.4
1/24/23 19:00	2.1	278	-31.3	74.6	0.0	0.0	M	101.5
1/24/23 20:00	4.7	301	-30.8	74.3	0.0	0.0	M	101.6
1/24/23 21:00	5.3	307	-31.4	73.5	0.0	0.0	M	101.6
1/24/23 22:00	6.0	296	-32.3	72.8	0.0	0.0	M	101.6
1/24/23 23:00	7.0	280	-33.1	72.3	0.0	0.0	M	101.7
1/25/23 0:00	7.4	284	-33.4	71.9	0.0	0.0	M	101.8
1/25/23 1:00	4.9	290	-34.1	71.4	0.0	0.0	M	101.8
1/25/23 2:00	5.5	278	-34.5	71.3	0.0	0.0	M	101.9
1/25/23 3:00	7.5	291	-34.6	71.4	0.0	0.0	M	101.9
1/25/23 4:00	9.2	289	-34.6	71.0	0.0	0.0	M	101.9
1/25/23 5:00	7.7	289	-35.3	70.5	0.0	0.0	M	102.0
1/25/23 6:00	6.0	294	-35.0	70.7	0.0	0.0	M	102.0
1/25/23 7:00	6.8	286	-35.5	70.5	0.0	0.0	M	102.0
1/25/23 8:00	6.5	287	-35.1	70.8	0.0	0.0	M	101.9
1/25/23 9:00	7.8	285	-34.8	71.4	0.0	0.0	M	101.9
1/25/23 10:00	8.2	286	-34.6	71.3	2.2	0.0	M	101.9
1/25/23 11:00	5.1	287	-34.5	70.9	18.0	0.0	M	101.9
1/25/23 12:00	6.4	290	-34.5	70.3	39.1	0.0	M	101.8
1/25/23 13:00	8.1	284	-34.8	70.1	46.4	0.0	M	101.8
1/25/23 14:00	5.9	288	-35.2	70.1	18.3	0.0	M	101.8
1/25/23 15:00	3.9	282	-35.6	70.0	5.5	0.0	M	101.8
1/25/23 16:00	2.9	287	-35.3	70.4	0.6	0.0	M	101.7
1/25/23 17:00	2.3	278	-35.3	70.5	0.0	0.0	M	101.6
1/25/23 18:00	2.1	284	-35.1	70.4	0.0	0.0	M	101.5
1/25/23 19:00	4.8	281	-34.3	71.6	0.0	0.0	M	101.4
1/25/23 20:00	4.1	293	-34.2	71.5	0.0	0.0	M	101.3
1/25/23 21:00	8.4	280	-34.1	71.6	0.0	0.0	M	101.2
1/25/23 22:00	8.0	287	-34.1	71.6	0.0	0.0	M	101.2
1/25/23 23:00	7.8	287	-34.3	71.4	0.0	0.0	M	101.2
1/26/23 0:00	6.8	284	-34.1	71.6	0.0	0.0	M	101.2
1/26/23 1:00	6.5	287	-33.4	72.2	0.0	0.0	M	101.2
1/26/23 2:00	7.3	280	-33.1	72.7	0.0	0.0	M	101.2
1/26/23 3:00	7.7	279	-32.4	73.2	0.0	0.0	M	101.2
1/26/23 4:00	9.5	272	-32.0	73.6	0.0	0.0	M	101.1
1/26/23 5:00	9.7	270	-32.1	73.5	0.0	0.0	M	101.2
1/26/23 6:00	7.2	278	-31.8	73.7	0.0	0.0	M	101.2
1/26/23 7:00	5.6	289	-32.5	73.0	0.0	0.0	M	101.2

1/26/23 8:00	3.3	280	-32.6	73.0	0.0	0.0	M	101.3
1/26/23 9:00	3.8	278	-32.7	72.8	0.0	0.0	M	101.3
1/26/23 10:00	3.8	292	-32.8	72.8	2.7	0.0	M	101.3
1/26/23 11:00	4.8	287	-32.5	72.9	15.0	0.0	M	101.3
1/26/23 12:00	6.9	284	-32.7	72.4	28.9	0.0	M	101.3
1/26/23 13:00	7.0	283	-32.7	72.4	32.7	0.0	M	101.4
1/26/23 14:00	7.8	281	-32.4	73.0	26.8	0.0	M	101.4
1/26/23 15:00	8.6	281	-32.1	73.3	8.3	0.0	M	101.4
1/26/23 16:00	7.3	287	-32.6	73.0	1.3	0.0	M	101.5
1/26/23 17:00	7.4	288	-32.3	73.4	0.0	0.0	M	101.5
1/26/23 18:00	7.8	281	-32.0	73.5	0.0	0.0	M	101.5
1/26/23 19:00	5.8	291	-32.3	73.2	0.0	0.0	M	101.5
1/26/23 20:00	8.4	287	-32.4	73.2	0.0	0.0	M	101.5
1/26/23 21:00	9.3	276	-32.7	72.8	0.0	0.0	M	101.5
1/26/23 22:00	9.4	271	-32.8	72.9	0.0	0.0	M	101.5
1/26/23 23:00	8.8	268	-31.7	74.0	0.0	0.0	M	101.5
1/27/23 0:00	11.1	276	-31.0	74.5	0.0	0.0	M	101.5
1/27/23 1:00	13.2	270	-30.1	75.3	0.0	0.0	M	101.4
1/27/23 2:00	14.0	274	-29.9	75.3	0.0	0.0	M	101.5
1/27/23 3:00	12.0	275	-29.7	75.6	0.0	0.0	M	101.5
1/27/23 4:00	12.3	276	-29.7	75.1	0.0	0.0	M	101.6
1/27/23 5:00	12.0	274	-29.7	75.4	0.0	0.0	M	101.5
1/27/23 6:00	11.3	271	-29.4	75.4	0.0	0.0	M	101.5
1/27/23 7:00	12.5	274	-29.3	75.7	0.0	0.0	M	101.4
1/27/23 8:00	13.6	275	-28.8	75.9	0.0	0.0	M	101.4
1/27/23 9:00	11.4	279	-28.2	76.9	0.0	0.0	M	101.6
1/27/23 10:00	9.7	272	-27.3	77.8	2.2	0.0	M	101.6
1/27/23 11:00	7.7	272	-26.4	78.5	9.9	0.0	M	101.5
1/27/23 12:00	8.1	285	-25.7	78.9	32.3	0.0	M	101.5
1/27/23 13:00	8.6	279	-25.5	79.4	28.3	0.0	M	101.5
1/27/23 14:00	6.8	301	-25.2	79.6	25.8	0.0	M	101.5
1/27/23 15:00	8.7	329	-26.5	77.4	9.6	0.0	M	101.6
1/27/23 16:00	7.9	325	-28.2	76.3	1.8	0.0	M	101.6
1/27/23 17:00	8.9	315	-29.3	75.3	0.0	0.0	M	101.6
1/27/23 18:00	7.1	311	-29.7	75.0	0.0	0.0	M	101.7
1/27/23 19:00	8.9	319	-29.2	75.5	0.0	0.0	M	101.6
1/27/23 20:00	8.5	313	-28.8	75.7	0.0	0.0	M	101.7
1/27/23 21:00	8.0	320	-28.4	75.9	0.0	0.0	M	101.6
1/27/23 22:00	9.3	317	-28.4	75.8	0.0	0.0	M	101.8
1/27/23 23:00	8.2	314	-28.5	75.6	0.0	0.0	M	101.7
1/28/23 0:00	7.8	318	-27.8	76.3	0.0	0.0	M	101.8
1/28/23 1:00	9.0	309	-26.4	78.0	0.0	0.0	M	101.6
1/28/23 2:00	9.7	325	-26.1	77.8	0.0	0.0	M	101.7
1/28/23 3:00	11.0	323	-26.0	77.8	0.0	0.0	M	101.7
1/28/23 4:00	12.6	323	-25.7	78.2	0.0	0.0	M	101.6
1/28/23 5:00	12.9	320	-25.7	78.2	0.0	0.0	M	101.7
1/28/23 6:00	13.2	317	-25.5	79.0	0.0	0.0	M	101.6
1/28/23 7:00	14.1	319	-25.6	78.5	0.0	0.0	M	101.6
1/28/23 8:00	10.5	309	-25.9	78.7	0.0	0.0	M	101.6
1/28/23 9:00	9.4	304	-26.1	79.2	0.0	0.0	M	101.8
1/28/23 10:00	11.3	298	-26.4	78.9	2.8	0.0	M	101.8
1/28/23 11:00	10.2	293	-26.4	79.1	10.6	0.0	M	101.7
1/28/23 12:00	10.3	294	-25.8	79.6	24.6	0.0	M	101.6
1/28/23 13:00	10.3	301	-25.4	79.7	30.2	0.0	M	101.7
1/28/23 14:00	11.4	295	-25.0	80.0	23.9	0.0	M	101.7
1/28/23 15:00	10.3	287	-24.9	80.3	10.8	0.0	M	101.8
1/28/23 16:00	8.4	287	-24.4	80.8	2.2	0.0	M	101.8
1/28/23 17:00	9.6	296	-24.0	81.1	0.0	0.0	M	101.7
1/28/23 18:00	8.4	294	-23.8	81.2	0.0	0.0	M	101.6
1/28/23 19:00	7.6	302	-24.1	80.7	0.0	0.0	M	101.6
1/28/23 20:00	6.2	308	-24.6	80.2	0.0	0.0	M	101.6
1/28/23 21:00	7.4	304	-24.7	79.9	0.0	0.0	M	101.6
1/28/23 22:00	6.4	282	-25.0	80.0	0.0	0.0	M	101.5
1/28/23 23:00	6.5	283	-25.6	79.7	0.0	0.0	M	101.5
1/29/23 0:00	7.7	293	-25.9	78.7	0.0	0.0	M	101.5
1/29/23 1:00	6.3	299	-26.7	77.7	0.0	0.0	M	101.5
1/29/23 2:00	5.5	280	-27.3	77.6	0.0	0.0	M	101.5
1/29/23 3:00	8.4	280	-27.6	77.5	0.0	0.0	M	101.4
1/29/23 4:00	9.6	278	-27.5	77.5	0.0	0.0	M	101.4
1/29/23 5:00	9.4	268	-27.5	76.8	0.0	0.0	M	101.3
1/29/23 6:00	8.6	272	-28.2	76.5	0.0	0.0	M	101.3
1/29/23 7:00	8.5	278	-28.5	76.7	0.0	0.0	M	101.2
1/29/23 8:00	8.7	276	-28.7	76.9	0.0	0.0	M	101.2
1/29/23 9:00	8.5	283	-28.6	77.1	0.1	0.0	M	101.1
1/29/23 10:00	7.8	294	-28.7	77.1	3.6	0.0	M	101.1
1/29/23 11:00	10.3	295	-28.0	77.5	19.6	0.0	M	101.1
1/29/23 12:00	9.7	294	-27.1	77.9	39.5	0.0	M	101.1
1/29/23 13:00	9.4	289	-26.2	78.9	36.5	0.0	M	101.0
1/29/23 14:00	9.3	286	-26.1	79.1	33.4	0.0	M	101.0
1/29/23 15:00	9.4	294	-25.7	79.6	12.8	0.0	M	101.0
1/29/23 16:00	11.3	301	-25.4	79.8	2.2	0.0	M	101.0
1/29/23 17:00	9.8	303	-25.3	79.9	0.0	0.0	M	100.8
1/29/23 18:00	9.3	307	-25.6	79.5	0.0	0.0	M	100.9

1/29/23 19:00	11.9	314	-25.9	78.0	0.0	0.0	M	101.0
1/29/23 20:00	9.4	316	-26.7	76.4	0.0	0.0	M	100.9
1/29/23 21:00	10.4	315	-27.5	75.7	0.0	0.0	M	101.0
1/29/23 22:00	8.5	311	-28.3	75.6	0.0	0.0	M	101.0
1/29/23 23:00	8.2	298	-29.0	75.3	0.0	0.0	M	101.0
1/30/23 0:00	6.7	308	-29.6	74.7	0.0	0.0	M	101.1
1/30/23 1:00	7.5	315	-30.0	74.0	0.0	0.0	M	101.1
1/30/23 2:00	6.6	308	-30.5	73.9	0.0	0.0	M	101.1
1/30/23 3:00	7.9	300	-31.1	73.6	0.0	0.0	M	101.2
1/30/23 4:00	8.0	308	-31.4	73.2	0.0	0.0	M	101.2
1/30/23 5:00	9.1	320	-31.6	72.9	0.0	0.0	M	101.2
1/30/23 6:00	9.6	320	-31.7	72.7	0.0	0.0	M	101.2
1/30/23 7:00	7.2	316	-31.5	72.5	0.0	0.0	M	101.3
1/30/23 8:00	6.4	308	-31.5	72.1	0.0	0.0	M	101.3
1/30/23 9:00	7.6	317	-31.7	71.8	0.1	0.0	M	101.4
1/30/23 10:00	4.2	284	-31.8	72.6	4.0	0.0	M	101.4
1/30/23 11:00	2.1	320	-31.8	72.0	18.6	0.0	M	101.4
1/30/23 12:00	3.1	323	-32.1	71.1	41.8	0.0	M	101.4
1/30/23 13:00	3.7	344	-32.2	70.0	53.8	0.0	M	101.4
1/30/23 14:00	3.2	280	-33.0	69.8	44.1	0.0	M	101.5
1/30/23 15:00	3.7	303	-33.6	71.0	14.3	0.0	M	101.5
1/30/23 16:00	6.5	295	-34.1	70.8	2.8	0.0	M	101.5
1/30/23 17:00	4.6	288	-34.7	70.7	0.0	0.0	M	101.5
1/30/23 18:00	4.9	288	-35.0	70.5	0.0	0.0	M	101.4
1/30/23 19:00	3.7	287	-34.9	70.9	0.0	0.0	M	101.4
1/30/23 20:00	2.2	281	-35.1	70.6	0.0	0.0	M	101.4
1/30/23 21:00	6.3	277	-35.0	71.5	0.0	0.0	M	101.3
1/30/23 22:00	8.9	276	-34.2	71.7	0.0	0.0	M	101.2
1/30/23 23:00	9.3	277	-33.5	72.0	0.0	0.0	M	101.2
1/31/23 0:00	8.2	277	-32.5	72.5	0.0	0.0	M	101.2
1/31/23 1:00	7.0	281	-31.8	73.1	0.0	0.0	M	101.2
1/31/23 2:00	6.3	281	-31.4	73.7	0.0	0.0	M	101.2
1/31/23 3:00	4.9	285	-30.7	74.2	0.0	0.0	M	101.2
1/31/23 4:00	5.1	282	-30.1	74.6	0.0	0.0	M	101.1
1/31/23 5:00	4.4	293	-29.8	74.7	0.0	0.0	M	101.1
1/31/23 6:00	3.5	299	-29.9	74.5	0.0	0.0	M	101.1
1/31/23 7:00	5.1	328	-30.4	73.6	0.0	0.0	M	101.1
1/31/23 8:00	4.9	340	-31.1	72.4	0.0	0.0	M	101.1
1/31/23 9:00	4.1	322	-31.5	72.5	0.2	0.0	M	101.1
1/31/23 10:00	4.3	300	-32.6	72.1	4.8	0.0	M	101.1
1/31/23 11:00	6.0	306	-33.0	70.4	25.1	0.0	M	101.1
1/31/23 12:00	7.1	277	-33.7	69.7	51.0	0.0	M	101.1
1/31/23 13:00	10.7	282	-34.1	70.0	62.0	0.0	M	101.0
1/31/23 14:00	10.2	292	-33.3	71.3	54.3	0.0	M	101.1
1/31/23 15:00	8.2	294	-31.9	72.6	18.0	0.0	M	101.2
1/31/23 16:00	7.3	311	-31.1	73.0	2.6	0.0	M	101.2
1/31/23 17:00	8.1	328	-30.7	73.5	0.0	0.0	M	101.2
1/31/23 18:00	7.2	327	-30.3	73.7	0.0	0.0	M	101.3
1/31/23 19:00	5.8	323	-30.4	73.7	0.0	0.0	M	101.3
1/31/23 20:00	6.3	325	-30.6	73.7	0.0	0.0	M	101.3
1/31/23 21:00	8.6	323	-31.1	73.3	0.0	0.0	M	101.3
1/31/23 22:00	6.1	324	-31.3	73.3	0.0	0.0	M	101.4
1/31/23 23:00	6.9	313	-31.9	72.7	0.0	0.0	M	101.4
2/1/23 0:00	6.5	316	-32.3	72.2	0.0	0.0	M	101.4
2/1/23 1:00	8.5	323	-32.4	72.1	0.0	0.0	M	101.3
2/1/23 2:00	9.6	323	-32.3	72.0	0.0	0.0	M	101.4
2/1/23 3:00	9.0	328	-32.2	71.7	0.0	0.0	M	101.5
2/1/23 4:00	8.8	330	-32.2	71.7	0.0	0.0	M	101.5
2/1/23 5:00	7.9	303	-32.4	71.6	0.0	0.0	M	101.6
2/1/23 6:00	7.1	283	-32.9	71.8	0.0	0.0	M	101.6
2/1/23 7:00	7.9	296	-33.1	71.8	0.0	0.0	M	101.6
2/1/23 8:00	9.3	288	-33.4	71.5	0.0	0.0	M	101.6
2/1/23 9:00	7.3	287	-33.7	71.1	0.2	0.0	M	101.7
2/1/23 10:00	9.0	275	-33.7	71.5	5.3	0.0	M	101.6
2/1/23 11:00	11.0	277	-33.5	71.6	21.3	0.0	M	101.7
2/1/23 12:00	11.6	285	-33.2	71.5	45.5	0.0	M	101.7
2/1/23 13:00	11.4	285	-33.1	71.7	44.7	0.0	M	101.6
2/1/23 14:00	11.3	282	-33.0	71.8	41.9	0.0	M	101.7
2/1/23 15:00	10.8	284	-32.2	72.6	19.6	0.0	M	101.7
2/1/23 16:00	14.2	285	-32.1	72.6	3.5	0.0	M	101.8
2/1/23 17:00	11.1	282	-32.2	72.7	0.1	0.0	M	101.8
2/1/23 18:00	10.1	274	-32.5	72.7	0.0	0.0	M	101.8
2/1/23 19:00	9.6	272	-32.4	72.9	0.0	0.0	M	101.8
2/1/23 20:00	7.2	275	-32.5	72.8	0.0	0.0	M	101.8
2/1/23 21:00	8.6	284	-32.6	72.7	0.0	0.0	M	101.8
2/1/23 22:00	8.5	277	-32.9	72.5	0.0	0.0	M	101.8
2/1/23 23:00	8.6	273	-33.1	72.4	0.0	0.0	M	101.8
2/2/23 0:00	7.9	277	-33.0	72.4	0.0	0.0	M	101.8
2/2/23 1:00	8.6	283	-33.0	72.4	0.0	0.0	M	101.8
2/2/23 2:00	7.6	274	-33.2	72.4	0.0	0.0	M	101.8
2/2/23 3:00	7.0	278	-32.9	72.7	0.0	0.0	M	101.8
2/2/23 4:00	8.6	269	-32.6	72.8	0.0	0.0	M	101.8
2/2/23 5:00	10.1	267	-32.6	72.7	0.0	0.0	M	101.8

2/2/23 6:00	11.2	273	-32.6	72.5	0.0	0.0	M	101.8
2/2/23 7:00	9.6	277	-32.8	72.6	0.0	0.0	M	101.7
2/2/23 8:00	9.6	280	-32.6	72.9	0.0	0.0	M	101.7
2/2/23 9:00	8.7	277	-32.3	73.2	0.4	0.0	M	101.8
2/2/23 10:00	7.6	265	-32.1	73.3	7.7	0.0	M	101.8
2/2/23 11:00	8.5	273	-31.6	72.9	32.5	0.0	M	101.8
2/2/23 12:00	9.4	269	-31.2	72.1	60.0	0.0	M	101.7
2/2/23 13:00	7.4	267	-30.8	71.8	75.6	0.0	M	101.8
2/2/23 14:00	6.8	263	-30.9	71.3	73.2	0.0	M	101.7
2/2/23 15:00	8.7	267	-30.7	71.6	21.9	0.0	M	101.7
2/2/23 16:00	6.6	270	-30.7	71.2	5.0	0.0	M	101.7
2/2/23 17:00	5.7	277	-30.8	71.2	0.2	0.0	M	101.7
2/2/23 18:00	5.3	264	-31.1	70.6	0.0	0.0	M	101.6
2/2/23 19:00	2.0	255	-32.1	71.3	0.0	0.0	M	101.5
2/2/23 20:00	1.2	144	-33.8	71.1	0.0	0.0	M	101.5
2/2/23 21:00	0.9	145	-35.2	70.1	0.0	0.0	M	101.4
2/2/23 22:00	0.6	87	-35.4	70.0	0.0	0.0	M	101.0
2/2/23 23:00	0.4	183	-35.5	70.0	0.0	0.0	M	99.9
2/3/23 0:00	0.3	51	-36.5	68.7	0.0	0.0	M	97.7
2/3/23 1:00	0.3	57	-37.0	68.4	0.0	0.0	M	96.3
2/3/23 2:00	0.1	146	-37.3	68.1	0.0	0.0	M	95.3
2/3/23 3:00	0.1	95	-37.5	67.8	0.0	0.0	M	94.3
2/3/23 4:00	0.4	81	-37.8	67.5	0.0	0.0	M	94.1
2/3/23 5:00	0.3	351	-38.1	67.3	0.0	0.0	M	93.8
2/3/23 6:00	0.2	25	-38.3	66.9	0.0	0.0	M	92.8
2/3/23 7:00	0.1	25	-38.4	67.0	0.0	0.0	M	92.8
2/3/23 8:00	0.1	33	-38.7	66.4	0.0	0.0	M	91.9
2/3/23 9:00	0.2	102	-38.9	66.3	0.6	0.0	M	91.6
2/3/23 10:00	0.2	46	-39.1	66.0	9.6	0.0	M	92.0
2/3/23 11:00	0.1	60	-38.2	66.5	43.6	0.0	M	95.5
2/3/23 12:00	0.1	123	-37.2	66.7	58.0	0.0	M	99.8
2/3/23 13:00	0.2	77	-36.4	67.1	75.5	0.0	M	100.9
2/3/23 14:00	1.0	309	-35.6	68.2	69.7	0.0	M	100.8
2/3/23 15:00	2.2	282	-35.5	69.1	27.0	0.0	M	100.8
2/3/23 16:00	1.2	261	-36.7	68.6	5.0	0.0	M	98.0
2/3/23 17:00	0.9	263	-37.0	68.6	0.2	0.0	M	96.7
2/3/23 18:00	3.3	279	-35.6	70.1	0.0	0.0	M	100.8
2/3/23 19:00	5.7	287	-35.2	70.5	0.0	0.0	M	100.7
2/3/23 20:00	7.3	284	-35.2	70.4	0.0	0.0	M	100.7
2/3/23 21:00	6.7	278	-35.1	70.4	0.0	0.0	M	100.8
2/3/23 22:00	6.2	277	-35.2	70.3	0.0	0.0	M	100.8
2/3/23 23:00	7.2	277	-35.2	70.3	0.0	0.0	M	100.7
2/4/23 0:00	8.2	278	-35.2	70.2	0.0	0.0	M	100.7
2/4/23 1:00	7.9	281	-35.6	69.8	0.0	0.0	M	100.7
2/4/23 2:00	7.7	275	-35.6	69.9	0.0	0.0	M	100.8
2/4/23 3:00	7.2	273	-35.4	70.1	0.0	0.0	M	100.8
2/4/23 4:00	7.4	273	-35.4	70.0	0.0	0.0	M	100.8
2/4/23 5:00	7.7	270	-35.3	70.2	0.0	0.0	M	100.8
2/4/23 6:00	5.5	270	-35.1	70.3	0.0	0.0	M	100.8
2/4/23 7:00	5.0	275	-34.9	70.4	0.0	0.0	M	100.9
2/4/23 8:00	4.4	282	-35.2	70.1	0.0	0.0	M	100.8
2/4/23 9:00	5.1	269	-35.0	70.3	0.5	0.0	M	100.8
2/4/23 10:00	1.7	264	-36.3	68.6	9.4	0.0	M	100.0
2/4/23 11:00	0.4	140	-37.0	67.7	35.4	0.0	M	100.8
2/4/23 12:00	0.6	126	-37.2	67.6	52.7	0.0	M	100.9
2/4/23 13:00	2.4	261	-34.3	70.1	61.8	0.0	M	100.9
2/4/23 14:00	3.3	269	-33.6	70.2	55.7	0.0	M	100.8
2/4/23 15:00	3.1	221	-35.3	68.9	27.2	0.0	M	100.8
2/4/23 16:00	1.8	147	-38.0	67.2	5.6	0.0	M	96.8
2/4/23 17:00	0.7	130	-38.1	67.1	0.3	0.0	M	95.3
2/4/23 18:00	0.8	154	-38.2	66.9	0.0	0.0	M	95.3
2/4/23 19:00	2.0	272	-35.0	70.8	0.0	0.0	M	100.8
2/4/23 20:00	2.2	261	-35.4	70.2	0.0	0.0	M	100.7
2/4/23 21:00	5.1	283	-31.6	73.6	0.0	0.0	M	100.7
2/4/23 22:00	4.9	282	-31.3	73.9	0.0	0.0	M	100.7
2/4/23 23:00	5.2	274	-30.9	74.3	0.0	0.0	M	100.7
2/5/23 0:00	6.0	264	-30.7	74.5	0.0	0.0	M	100.6
2/5/23 1:00	3.9	275	-30.7	74.4	0.0	0.0	M	100.6
2/5/23 2:00	4.7	273	-30.8	74.3	0.0	0.0	M	100.5
2/5/23 3:00	3.6	272	-30.9	74.0	0.0	0.0	M	100.5
2/5/23 4:00	1.4	131	-33.4	71.5	0.0	0.0	M	100.5
2/5/23 5:00	0.9	151	-34.7	70.6	0.0	0.0	M	100.5
2/5/23 6:00	0.2	95	-35.4	69.8	0.0	0.0	M	100.1
2/5/23 7:00	0.2	121	-35.7	69.5	0.0	0.0	M	99.0
2/5/23 8:00	0.2	68	-36.1	69.1	0.0	0.0	M	97.8
2/5/23 9:00	0.3	65	-36.8	68.4	0.9	0.0	M	96.2
2/5/23 10:00	0.2	56	-36.9	68.3	15.6	0.0	M	96.9
2/5/23 11:00	0.5	74	-36.5	68.1	43.4	0.0	M	99.6
2/5/23 12:00	0.4	102	-34.9	69.5	76.4	0.0	M	100.2
2/5/23 13:00	C	C	-33.8	69.6	87.0	0.0	M	100.1
2/5/23 14:00	M	M	-35.2	69.0	84.9	0.0	M	100.1
2/5/23 15:00	M	M	-35.5	68.8	44.9	0.0	M	100.0
2/5/23 16:00	M	M	-36.6	68.3	7.6	0.0	M	100.0

2/5/23 17:00	M	M	-36.3	68.9	0.4	0.0	M	100.0
2/5/23 18:00	M	M	-36.0	69.2	0.0	0.0	M	99.9
2/5/23 19:00	M	M	-35.6	69.6	0.0	0.0	M	99.9
2/5/23 20:00	M	M	-35.9	69.2	0.0	0.0	M	99.9
2/5/23 21:00	M	M	-36.9	68.4	0.0	0.0	M	96.8
2/5/23 22:00	1.0	272	-36.6	69.2	0.0	0.0	M	97.2
2/5/23 23:00	8.5	261	-33.0	72.0	0.0	0.0	M	99.8
2/6/23 0:00	8.9	257	-33.8	71.3	0.0	0.0	M	99.8
2/6/23 1:00	9.0	257	-33.5	71.8	0.0	0.0	M	99.8
2/6/23 2:00	9.1	261	-32.9	72.3	0.0	0.0	M	99.8
2/6/23 3:00	8.5	261	-32.9	72.2	0.0	0.0	M	99.8
2/6/23 4:00	9.1	260	-32.7	72.5	0.0	0.0	M	99.8
2/6/23 5:00	9.4	261	-32.4	72.9	0.0	0.0	M	99.8
2/6/23 6:00	9.7	263	-32.3	72.9	0.0	0.0	M	99.8
2/6/23 7:00	9.5	263	-32.4	72.8	0.0	0.0	M	99.8
2/6/23 8:00	9.7	265	-32.3	72.9	0.0	0.0	M	99.9
2/6/23 9:00	8.6	262	-32.3	72.9	0.9	0.0	M	99.9
2/6/23 10:00	9.2	261	-32.1	73.0	11.3	0.0	M	99.9
2/6/23 11:00	8.4	259	-32.0	72.2	36.9	0.0	M	99.9
2/6/23 12:00	8.6	261	-31.6	72.1	61.6	0.0	M	99.9
2/6/23 13:00	10.2	263	-31.4	72.3	78.0	0.0	M	99.9
2/6/23 14:00	10.0	261	-31.2	72.5	77.1	0.0	M	99.9
2/6/23 15:00	8.7	261	-31.0	72.6	53.5	0.0	M	99.9
2/6/23 16:00	8.0	260	-31.1	72.7	7.2	0.0	M	100.0
2/6/23 17:00	7.5	265	-31.0	72.1	0.6	0.0	M	100.0
2/6/23 18:00	6.4	261	-31.6	71.5	0.0	0.0	M	100.0
2/6/23 19:00	5.9	251	-32.0	71.5	0.0	0.0	M	100.0
2/6/23 20:00	5.1	223	-31.9	71.3	0.0	0.0	M	100.0
2/6/23 21:00	5.0	220	-32.0	71.3	0.0	0.0	M	100.0
2/6/23 22:00	2.2	222	-32.1	71.7	0.0	0.0	M	100.0
2/6/23 23:00	1.3	129	-32.8	71.6	0.0	0.0	M	100.0
2/7/23 0:00	2.3	147	-33.9	71.2	0.0	0.0	M	100.1
2/7/23 1:00	1.0	126	-34.7	70.7	0.0	0.0	M	100.0
2/7/23 2:00	0.6	161	-35.6	69.6	0.0	0.0	M	99.2
2/7/23 3:00	0.4	94	-36.2	69.1	0.0	0.0	M	97.6
2/7/23 4:00	0.6	134	-36.6	68.6	0.0	0.0	M	96.7
2/7/23 5:00	0.5	85	-36.9	68.4	0.0	0.0	M	96.0
2/7/23 6:00	1.6	227	-36.0	69.9	0.0	0.0	M	99.9
2/7/23 7:00	4.9	284	-32.6	72.3	0.0	0.0	M	100.1
2/7/23 8:00	7.2	281	-32.5	71.9	0.0	0.0	M	100.1
2/7/23 9:00	8.4	278	-32.7	71.5	1.2	0.0	M	100.2
2/7/23 10:00	7.9	279	-33.0	71.1	10.4	0.0	M	100.2
2/7/23 11:00	5.7	279	-32.9	71.2	31.1	0.0	M	100.3
2/7/23 12:00	4.7	282	-32.5	70.5	57.8	0.0	M	100.3
2/7/23 13:00	3.9	277	-33.2	70.1	45.3	0.0	M	100.3
2/7/23 14:00	4.1	274	-32.0	69.4	114.8	0.0	M	100.3
2/7/23 15:00	4.4	272	-32.4	70.3	51.3	0.0	M	100.3
2/7/23 16:00	5.4	268	-32.6	71.7	9.3	0.0	M	100.4
2/7/23 17:00	5.4	273	-31.8	72.4	0.5	0.0	M	100.4
2/7/23 18:00	5.2	267	-31.6	72.8	0.0	0.0	M	100.4
2/7/23 19:00	6.6	264	-31.3	72.9	0.0	0.0	M	100.5
2/7/23 20:00	5.8	262	-31.1	74.0	0.0	0.0	M	100.5
2/7/23 21:00	5.0	271	-31.0	74.2	0.0	0.0	M	100.5
2/7/23 22:00	6.6	268	-30.7	74.6	0.0	0.0	M	100.5
2/7/23 23:00	6.2	261	-30.4	74.6	0.0	0.0	M	100.6
2/8/23 0:00	5.7	277	-30.3	74.5	0.0	0.0	M	100.6
2/8/23 1:00	5.9	279	-30.2	74.6	0.0	0.0	M	100.7
2/8/23 2:00	5.6	273	-30.0	74.5	0.0	0.0	M	100.7
2/8/23 3:00	5.1	281	-29.9	74.7	0.0	0.0	M	100.8
2/8/23 4:00	6.0	269	-29.7	74.5	0.0	0.0	M	100.8
2/8/23 5:00	6.0	264	-29.7	74.4	0.0	0.0	M	100.9
2/8/23 6:00	6.0	263	-29.8	74.6	0.0	0.0	M	100.9
2/8/23 7:00	4.5	257	-29.9	74.5	0.0	0.0	M	100.9
2/8/23 8:00	4.5	274	-30.1	74.4	0.0	0.0	M	101.0
2/8/23 9:00	3.8	271	-30.0	75.0	1.5	0.0	M	101.0
2/8/23 10:00	3.0	238	-29.8	74.4	11.6	0.0	M	101.0
2/8/23 11:00	2.2	169	-30.4	73.4	27.5	0.0	M	101.1
2/8/23 12:00	2.1	152	-30.4	70.8	84.6	0.0	M	101.1
2/8/23 13:00	1.5	141	-31.1	69.6	111.0	0.0	M	101.2
2/8/23 14:00	1.4	135	-32.5	69.8	80.4	0.0	M	101.2
2/8/23 15:00	0.4	129	-33.5	70.9	25.1	0.0	M	101.2
2/8/23 16:00	0.5	134	-33.5	71.2	11.2	0.0	M	101.3
2/8/23 17:00	0.3	141	-33.5	71.6	0.7	0.0	M	101.3
2/8/23 18:00	0.2	232	-33.6	71.6	0.0	0.0	M	101.3
2/8/23 19:00	0.2	84	-34.0	71.4	0.0	0.0	M	101.3
2/8/23 20:00	0.5	146	-34.0	71.7	0.0	0.0	M	101.4
2/8/23 21:00	0.6	165	-33.8	71.7	0.0	0.0	M	101.4
2/8/23 22:00	0.7	179	-33.3	72.4	0.0	0.0	M	101.4
2/8/23 23:00	0.6	311	-32.3	73.2	0.0	0.0	M	101.4
2/9/23 0:00	2.6	272	-31.7	73.7	0.0	0.0	M	101.4
2/9/23 1:00	5.9	264	-31.0	74.1	0.0	0.0	M	101.4
2/9/23 2:00	7.2	270	-30.9	74.2	0.0	0.0	M	101.5
2/9/23 3:00	7.2	274	-31.4	74.0	0.0	0.0	M	101.5

2/9/23 4:00	6.8	276	-31.5	74.1	0.0	0.0	M	101.5
2/9/23 5:00	7.0	275	-31.1	74.4	0.0	0.0	M	101.5
2/9/23 6:00	6.7	279	-31.5	74.0	0.0	0.0	M	101.5
2/9/23 7:00	8.4	285	-31.5	73.9	0.0	0.0	M	101.5
2/9/23 8:00	8.1	287	-31.3	74.1	0.0	0.0	M	101.5
2/9/23 9:00	8.3	277	-31.3	74.0	2.0	0.0	M	101.5
2/9/23 10:00	6.8	274	-30.5	74.3	16.3	0.0	M	101.5
2/9/23 11:00	6.1	265	-30.1	74.8	45.6	0.0	M	101.5
2/9/23 12:00	7.3	275	-29.9	75.1	35.9	0.0	M	101.5
2/9/23 13:00	6.2	283	-29.5	73.9	98.6	0.0	M	101.5
2/9/23 14:00	7.9	268	-29.7	73.7	60.0	0.0	M	101.5
2/9/23 15:00	8.5	270	-30.0	74.5	30.0	0.0	M	101.5
2/9/23 16:00	7.2	281	-31.0	74.6	17.0	0.0	M	101.5
2/9/23 17:00	5.4	288	-31.9	73.9	1.1	0.0	M	101.5
2/9/23 18:00	5.2	286	-32.7	73.0	0.0	0.0	M	101.5
2/9/23 19:00	5.1	279	-33.5	72.1	0.0	0.0	M	101.5
2/9/23 20:00	5.7	288	-33.6	72.0	0.0	0.0	M	101.5
2/9/23 21:00	6.2	287	-33.8	71.8	0.0	0.0	M	101.5
2/9/23 22:00	7.4	288	-33.7	71.9	0.0	0.0	M	101.5
2/9/23 23:00	7.5	287	-34.2	71.4	0.0	0.0	M	101.5
2/10/23 0:00	6.1	284	-35.1	70.5	0.0	0.0	M	101.6
2/10/23 1:00	5.8	283	-35.4	70.3	0.0	0.0	M	101.7
2/10/23 2:00	3.7	289	-35.6	70.0	0.0	0.0	M	101.7
2/10/23 3:00	2.4	296	-35.4	70.2	0.0	0.0	M	101.7
2/10/23 4:00	2.9	288	-35.6	69.9	0.0	0.0	M	101.7
2/10/23 5:00	4.4	291	-35.0	70.8	0.0	0.0	M	101.7
2/10/23 6:00	5.8	289	-34.8	70.7	0.0	0.0	M	101.7
2/10/23 7:00	4.9	290	-35.4	70.3	0.0	0.0	M	101.7
2/10/23 8:00	4.6	286	-35.1	70.6	0.0	0.0	M	101.7
2/10/23 9:00	3.6	284	-34.7	70.8	2.1	0.0	M	101.7
2/10/23 10:00	3.7	267	-34.7	70.3	18.7	0.0	M	101.7
2/10/23 11:00	2.6	261	-34.1	69.9	49.4	0.0	M	101.7
2/10/23 12:00	1.8	267	-33.0	70.3	75.6	0.0	M	101.7
2/10/23 13:00	2.1	274	-33.5	69.9	91.0	0.0	M	101.7
2/10/23 14:00	1.1	227	-33.7	70.4	94.1	0.0	M	101.7
2/10/23 15:00	0.9	125	-35.4	69.5	80.7	0.0	M	101.7
2/10/23 16:00	0.4	98	-36.3	69.0	19.4	0.0	M	101.7
2/10/23 17:00	0.2	95	-37.2	67.9	1.3	0.0	M	98.1
2/10/23 18:00	0.3	79	-37.4	67.7	0.0	0.0	M	96.5
2/10/23 19:00	0.1	117	-37.8	67.3	0.0	0.0	M	95.1
2/10/23 20:00	0.1	58	-38.2	66.9	0.0	0.0	M	94.4
2/10/23 21:00	0.2	52	-38.3	66.9	0.0	0.0	M	93.7
2/10/23 22:00	0.5	47	-38.4	66.8	0.0	0.0	M	93.9
2/10/23 23:00	0.3	53	-38.4	66.8	0.0	0.0	M	93.5
2/11/23 0:00	0.5	49	-38.5	66.8	0.0	0.0	M	93.2
2/11/23 1:00	0.7	54	-38.5	66.7	0.0	0.0	M	93.3
2/11/23 2:00	1.0	76	-38.0	67.4	0.0	0.0	M	94.9
2/11/23 3:00	1.1	64	-38.2	67.1	0.0	0.0	M	94.6
2/11/23 4:00	0.8	78	-38.2	67.0	0.0	0.0	M	94.2
2/11/23 5:00	0.7	83	-38.3	66.9	0.0	0.0	M	93.8
2/11/23 6:00	1.0	75	-38.3	66.9	0.0	0.0	M	94.2
2/11/23 7:00	1.0	78	-38.4	66.9	0.0	0.0	M	94.0
2/11/23 8:00	0.7	64	-38.5	66.7	0.0	0.0	M	93.4
2/11/23 9:00	0.7	72	-38.4	66.8	3.1	0.0	M	93.9
2/11/23 10:00	1.4	59	-37.6	67.2	23.5	0.0	M	97.3
2/11/23 11:00	2.0	60	-37.3	67.4	34.6	0.0	M	99.1
2/11/23 12:00	2.4	59	-37.0	67.9	42.0	0.0	M	100.3
2/11/23 13:00	2.3	60	-36.1	68.9	56.2	0.0	M	100.3
2/11/23 14:00	3.3	74	-35.1	69.9	43.1	0.0	M	100.2
2/11/23 15:00	3.7	82	-34.6	70.6	26.9	0.0	M	100.1
2/11/23 16:00	2.3	87	-34.2	71.0	11.0	0.0	M	100.1
2/11/23 17:00	3.1	75	-33.8	71.4	1.2	0.0	M	100.0
2/11/23 18:00	2.2	80	-33.8	71.3	0.0	0.0	M	100.0
2/11/23 19:00	1.5	71	-33.9	71.2	0.0	0.0	M	100.0
2/11/23 20:00	2.4	51	-34.7	70.6	0.0	0.0	M	99.9
2/11/23 21:00	3.0	68	-34.3	70.9	0.0	0.0	M	99.9
2/11/23 22:00	1.9	54	-34.4	70.8	0.0	0.0	M	99.9
2/11/23 23:00	2.2	52	-34.4	70.7	0.0	0.0	M	99.8
2/12/23 0:00	2.4	62	-34.4	70.8	0.0	0.0	M	99.8
2/12/23 1:00	2.1	71	-34.2	71.0	0.0	0.0	M	99.8
2/12/23 2:00	2.6	65	-33.9	71.3	0.0	0.0	M	99.8
2/12/23 3:00	2.6	64	-33.5	71.7	0.0	0.0	M	99.9
2/12/23 4:00	2.4	66	-33.3	71.9	0.0	0.0	M	99.9
2/12/23 5:00	2.1	68	-33.4	71.7	0.0	0.0	M	99.9
2/12/23 6:00	1.4	68	-33.6	71.5	0.0	0.0	M	99.9
2/12/23 7:00	1.2	74	-33.6	71.6	0.0	0.0	M	99.9
2/12/23 8:00	1.0	50	-33.5	71.7	0.0	0.0	M	99.9
2/12/23 9:00	1.3	317	-32.9	72.2	2.5	0.0	M	99.9
2/12/23 10:00	2.2	303	-32.8	72.2	27.1	0.0	M	99.9
2/12/23 11:00	1.8	337	-32.1	72.3	56.7	0.0	M	100.0
2/12/23 12:00	3.0	324	-31.5	72.4	66.1	0.0	M	99.9
2/12/23 13:00	3.7	295	-31.5	71.7	93.1	0.0	M	100.0
2/12/23 14:00	3.5	287	-31.8	71.4	107.2	0.0	M	100.0

2/12/23 15:00	3.2	278	-32.3	71.6	66.5	0.0	M	100.0
2/12/23 16:00	4.1	288	-33.4	71.5	22.0	0.0	M	100.0
2/12/23 17:00	5.0	289	-34.4	70.8	2.0	0.0	M	100.1
2/12/23 18:00	4.9	279	-35.1	70.1	0.0	0.0	M	100.1
2/12/23 19:00	6.5	286	-35.6	69.9	0.0	0.0	M	100.1
2/12/23 20:00	4.7	299	-35.0	70.4	0.0	0.0	M	100.1
2/12/23 21:00	8.4	283	-35.3	70.0	0.0	0.0	M	100.0
2/12/23 22:00	7.9	281	-35.3	70.2	0.0	0.0	M	100.0
2/12/23 23:00	8.2	277	-34.5	70.8	0.0	0.0	M	100.0
2/13/23 0:00	9.0	278	-34.2	71.2	0.0	0.0	M	100.0
2/13/23 1:00	10.1	281	-34.0	71.3	0.0	0.0	M	100.0
2/13/23 2:00	9.8	282	-34.1	71.2	0.0	0.0	M	100.0
2/13/23 3:00	8.6	279	-34.2	71.2	0.0	0.0	M	100.1
2/13/23 4:00	8.1	278	-33.7	71.6	0.0	0.0	M	100.0
2/13/23 5:00	10.0	281	-33.4	71.9	0.0	0.0	M	100.0
2/13/23 6:00	10.0	274	-32.8	72.6	0.0	0.0	M	100.1
2/13/23 7:00	9.1	266	-32.4	72.9	0.0	0.0	M	100.1
2/13/23 8:00	9.9	268	-31.9	73.3	0.0	0.0	M	100.0
2/13/23 9:00	11.5	268	-31.7	73.5	3.2	0.0	M	100.0
2/13/23 10:00	11.4	262	-32.1	73.0	17.1	0.0	M	100.0
2/13/23 11:00	9.0	267	-31.6	73.0	50.2	0.0	M	100.1
2/13/23 12:00	8.0	264	-31.3	73.3	72.3	0.0	M	100.1
2/13/23 13:00	10.4	263	-30.3	74.0	117.3	0.0	M	100.0
2/13/23 14:00	10.0	255	-29.9	74.5	91.5	0.0	M	100.1
2/13/23 15:00	8.5	258	-29.7	74.7	94.7	0.0	M	100.1
2/13/23 16:00	10.1	260	-29.6	75.3	27.1	0.0	M	100.0
2/13/23 17:00	9.3	254	-29.5	75.4	3.8	0.0	M	100.2
2/13/23 18:00	9.7	256	-29.5	75.4	0.0	0.0	M	100.2
2/13/23 19:00	8.8	265	-29.6	75.1	0.0	0.0	M	100.2
2/13/23 20:00	7.1	262	-29.3	75.4	0.0	0.0	M	100.2
2/13/23 21:00	7.5	270	-28.9	75.5	0.0	0.0	M	100.2
2/13/23 22:00	5.8	270	-29.4	75.4	0.0	0.0	M	100.2
2/13/23 23:00	4.2	270	-29.9	75.0	0.0	0.0	M	100.3
2/14/23 0:00	5.4	264	-31.3	73.4	0.0	0.0	M	100.3
2/14/23 1:00	5.7	269	-32.7	72.5	0.0	0.0	M	100.4
2/14/23 2:00	6.3	272	-33.5	72.0	0.0	0.0	M	100.4
2/14/23 3:00	5.2	284	-34.8	70.7	0.0	0.0	M	100.5
2/14/23 4:00	4.9	279	-35.3	70.2	0.0	0.0	M	100.6
2/14/23 5:00	4.0	277	-35.6	69.9	0.0	0.0	M	100.7
2/14/23 6:00	4.1	279	-36.3	69.3	0.0	0.0	M	100.3
2/14/23 7:00	3.8	284	-36.6	68.9	0.0	0.0	M	99.7
2/14/23 8:00	2.7	304	-36.7	68.6	0.0	0.0	M	98.8
2/14/23 9:00	4.2	294	-37.1	68.3	5.6	0.0	M	98.3
2/14/23 10:00	5.8	286	-36.8	68.0	38.5	0.0	M	100.6
2/14/23 11:00	6.8	275	-36.1	67.7	85.7	0.0	M	101.1
2/14/23 12:00	6.6	275	-35.5	67.8	122.9	1.0	M	101.1
2/14/23 13:00	7.2	276	-35.0	68.3	138.7	1.0	M	101.2
2/14/23 14:00	7.2	289	-34.5	68.3	135.5	1.0	M	101.1
2/14/23 15:00	7.7	286	-34.8	68.4	103.3	0.0	M	101.2
2/14/23 16:00	7.7	283	-34.7	69.5	37.8	0.0	M	101.2
2/14/23 17:00	7.1	269	-34.9	70.2	3.6	0.0	M	101.3
2/14/23 18:00	8.9	275	-34.7	70.5	0.0	0.0	M	101.2
2/14/23 19:00	9.8	284	-34.6	70.6	0.0	0.0	M	101.2
2/14/23 20:00	9.4	281	-34.9	70.2	0.0	0.0	M	101.2
2/14/23 21:00	10.5	273	-35.1	70.1	0.0	0.0	M	101.1
2/14/23 22:00	10.4	275	-34.5	70.6	0.0	0.0	M	101.2
2/14/23 23:00	9.5	269	-34.3	70.8	0.0	0.0	M	101.1
2/15/23 0:00	9.4	274	-34.2	71.0	0.0	0.0	M	101.1
2/15/23 1:00	11.5	280	-34.1	71.0	0.0	0.0	M	101.1
2/15/23 2:00	10.8	283	-33.9	71.3	0.0	0.0	M	101.2
2/15/23 3:00	8.1	277	-33.2	72.1	0.0	0.0	M	101.2
2/15/23 4:00	8.4	290	-32.2	73.0	0.0	0.0	M	101.2
2/15/23 5:00	7.9	301	-31.1	72.8	0.0	0.0	M	101.2
2/15/23 6:00	6.5	297	-31.3	72.3	0.0	0.0	M	101.2
2/15/23 7:00	7.6	308	-31.3	72.5	0.0	0.0	M	101.2
2/15/23 8:00	7.7	315	-31.9	70.7	0.1	0.0	M	101.2
2/15/23 9:00	7.5	301	-32.4	70.5	7.1	0.0	M	101.3
2/15/23 10:00	6.9	290	-32.4	69.9	46.9	0.0	M	101.3
2/15/23 11:00	7.1	293	-32.1	69.5	93.3	0.0	M	101.3
2/15/23 12:00	6.7	296	-31.9	69.2	129.5	1.0	M	101.3
2/15/23 13:00	7.7	295	-31.7	70.0	132.3	1.0	M	101.3
2/15/23 14:00	7.9	293	-31.5	71.2	95.2	0.0	M	101.3
2/15/23 15:00	7.3	304	-31.5	70.4	101.2	0.0	M	101.3
2/15/23 16:00	6.3	303	-32.0	71.4	48.5	0.0	M	101.3
2/15/23 17:00	7.5	292	-31.9	72.6	3.9	0.0	M	101.3
2/15/23 18:00	8.0	287	-31.3	73.2	0.0	0.0	M	101.3
2/15/23 19:00	7.5	285	-30.9	74.0	0.0	0.0	M	101.3
2/15/23 20:00	8.3	279	-29.8	74.2	0.0	0.0	M	101.2
2/15/23 21:00	8.1	290	-30.5	73.1	0.0	0.0	M	101.2
2/15/23 22:00	9.0	280	-31.6	72.6	0.0	0.0	M	101.2
2/15/23 23:00	9.1	274	-32.4	72.5	0.0	0.0	M	101.1
2/16/23 0:00	9.4	278	-32.9	72.1	0.0	0.0	M	101.1
2/16/23 1:00	10.4	275	-33.3	71.9	0.0	0.0	M	101.1

2/16/23 2:00	9.2	276	-33.7	71.7	0.0	0.0	M	101.1
2/16/23 3:00	9.3	279	-33.9	71.4	0.0	0.0	M	101.1
2/16/23 4:00	7.7	284	-34.3	71.1	0.0	0.0	M	101.1
2/16/23 5:00	5.0	295	-34.7	70.6	0.0	0.0	M	101.1
2/16/23 6:00	4.5	291	-35.4	70.0	0.0	0.0	M	101.1
2/16/23 7:00	3.5	286	-35.8	69.6	0.0	0.0	M	101.1
2/16/23 8:00	3.7	286	-36.0	69.5	0.2	0.0	M	101.1
2/16/23 9:00	5.0	295	-35.7	69.7	6.9	0.0	M	101.1
2/16/23 10:00	3.5	288	-35.4	69.5	37.0	0.0	M	101.1
2/16/23 11:00	4.0	292	-35.0	69.8	65.1	0.0	M	101.0
2/16/23 12:00	4.6	276	-34.0	70.4	105.3	0.0	M	101.1
2/16/23 13:00	4.9	272	-33.6	70.6	98.1	0.0	M	101.1
2/16/23 14:00	4.3	280	-33.9	70.4	63.6	0.0	M	101.1
2/16/23 15:00	5.2	283	-33.9	69.7	100.3	0.0	M	101.1
2/16/23 16:00	4.2	289	-34.6	70.2	29.8	0.0	M	101.2
2/16/23 17:00	2.6	272	-35.3	70.0	4.2	0.0	M	101.2
2/16/23 18:00	2.4	291	-35.7	69.8	0.0	0.0	M	101.2
2/16/23 19:00	2.9	285	-36.0	69.5	0.0	0.0	M	100.7
2/16/23 20:00	2.3	277	-36.2	69.3	0.0	0.0	M	99.7
2/16/23 21:00	4.2	291	-36.1	69.4	0.0	0.0	M	100.2
2/16/23 22:00	4.4	289	-36.4	69.1	0.0	0.0	M	99.8
2/16/23 23:00	2.6	294	-36.9	68.4	0.0	0.0	M	98.0
2/17/23 0:00	3.2	292	-37.0	68.5	0.0	0.0	M	97.9
2/17/23 1:00	2.7	294	-37.1	68.2	0.0	0.0	M	96.9
2/17/23 2:00	4.1	282	-37.4	68.1	0.0	0.0	M	97.2
2/17/23 3:00	4.6	280	-36.9	68.5	0.0	0.0	M	98.8
2/17/23 4:00	5.2	278	-36.9	68.4	0.0	0.0	M	99.2
2/17/23 5:00	7.6	266	-36.5	68.8	0.0	0.0	M	100.4
2/17/23 6:00	7.0	265	-36.7	68.6	0.0	0.0	M	100.1
2/17/23 7:00	8.0	265	-36.3	69.1	0.0	0.0	M	100.8
2/17/23 8:00	8.2	268	-35.7	69.5	0.2	0.0	M	100.8
2/17/23 9:00	8.6	268	-35.7	69.5	7.6	0.0	M	100.8
2/17/23 10:00	8.2	268	-35.8	68.8	38.4	0.0	M	100.8
2/17/23 11:00	7.5	270	-35.7	68.0	82.8	0.0	M	100.7
2/17/23 12:00	6.4	277	-35.8	67.4	112.4	0.0	M	100.8
2/17/23 13:00	6.4	282	-36.0	67.3	124.7	1.0	M	100.8
2/17/23 14:00	6.1	278	-36.2	67.2	112.5	0.0	M	100.8
2/17/23 15:00	6.0	283	-36.4	67.2	99.7	0.0	M	100.8
2/17/23 16:00	5.0	282	-36.6	68.0	51.1	0.0	M	100.8
2/17/23 17:00	4.2	276	-37.1	67.9	4.7	0.0	M	98.6
2/17/23 18:00	5.0	271	-37.4	67.8	0.1	0.0	M	97.8
2/17/23 19:00	4.9	271	-37.6	67.6	0.0	0.0	M	96.9
2/17/23 20:00	3.6	279	-37.7	67.4	0.0	0.0	M	96.0
2/17/23 21:00	5.2	316	-37.8	67.3	0.0	0.0	M	96.2
2/17/23 22:00	5.0	294	-38.3	66.7	0.0	0.0	M	94.9
2/17/23 23:00	5.1	294	-38.9	66.3	0.0	0.0	M	93.7
2/18/23 0:00	4.9	285	-39.3	65.9	0.0	0.0	M	92.7
2/18/23 1:00	1.8	275	-39.4	65.8	0.0	0.0	M	91.6
2/18/23 2:00	5.1	292	-39.2	66.0	0.0	0.0	M	93.0
2/18/23 3:00	3.4	299	-39.0	66.2	0.0	0.0	M	93.2
2/18/23 4:00	4.8	290	-39.4	65.8	0.0	0.0	M	92.7
2/18/23 5:00	5.1	291	-39.4	65.8	0.0	0.0	M	92.5
2/18/23 6:00	5.1	287	-39.5	65.7	0.0	0.0	M	92.2
2/18/23 7:00	4.5	278	-39.9	65.2	0.0	0.0	M	91.3
2/18/23 8:00	4.2	279	-40.1	65.0	0.3	0.0	M	90.8
2/18/23 9:00	6.7	281	-40.0	65.1	11.4	0.0	M	91.8
2/18/23 10:00	7.5	276	-39.3	64.8	47.3	0.0	M	94.3
2/18/23 11:00	9.3	278	-38.3	65.3	89.2	0.0	M	98.0
2/18/23 12:00	9.5	277	-37.2	66.0	116.0	0.0	M	101.0
2/18/23 13:00	10.7	280	-37.0	65.9	134.9	1.0	M	100.9
2/18/23 14:00	11.9	275	-36.6	66.7	124.9	1.0	M	100.9
2/18/23 15:00	10.1	281	-35.9	67.8	94.4	0.0	M	100.9
2/18/23 16:00	7.7	281	-35.5	68.6	56.8	0.0	M	101.0
2/18/23 17:00	6.8	272	-35.2	69.3	5.6	0.0	M	100.9
2/18/23 18:00	8.8	261	-35.0	69.6	0.1	0.0	M	100.8
2/18/23 19:00	8.9	265	-35.1	70.0	0.0	0.0	M	100.7
2/18/23 20:00	9.5	265	-35.2	69.9	0.0	0.0	M	100.6
2/18/23 21:00	9.4	263	-35.4	69.7	0.0	0.0	M	100.6
2/18/23 22:00	8.1	273	-35.8	69.2	0.0	0.0	M	100.6
2/18/23 23:00	6.6	274	-36.5	68.7	0.0	0.0	M	100.4
2/19/23 0:00	5.5	275	-36.7	68.4	0.0	0.0	M	99.5
2/19/23 1:00	5.2	285	-37.5	67.5	0.0	0.0	M	97.0
2/19/23 2:00	6.8	283	-38.0	67.2	0.0	0.0	M	96.1
2/19/23 3:00	7.6	277	-38.2	67.0	0.0	0.0	M	95.5
2/19/23 4:00	7.3	272	-38.4	66.7	0.0	0.0	M	94.8
2/19/23 5:00	5.6	277	-38.7	66.5	0.0	0.0	M	94.0
2/19/23 6:00	5.9	279	-38.8	66.4	0.0	0.0	M	93.8
2/19/23 7:00	4.5	276	-38.7	66.5	0.0	0.0	M	93.7
2/19/23 8:00	3.3	286	-38.6	66.5	0.5	0.0	M	93.6
2/19/23 9:00	3.7	287	-38.3	66.7	10.1	0.0	M	94.6
2/19/23 10:00	4.9	276	-37.5	66.3	48.0	0.0	M	98.0
2/19/23 11:00	7.2	274	-36.8	67.1	73.1	0.0	M	100.4
2/19/23 12:00	8.1	280	-36.4	67.2	93.4	0.0	M	100.3

2/19/23 13:00	7.0	285	-35.9	67.0	130.2	1.0	M	100.4
2/19/23 14:00	5.2	280	-35.9	66.6	130.3	1.0	M	100.4
2/19/23 15:00	5.1	282	-35.9	67.2	109.1	0.0	M	100.4
2/19/23 16:00	6.4	280	-36.4	67.8	60.5	0.0	M	100.5
2/19/23 17:00	6.7	297	-36.8	67.9	6.4	0.0	M	99.5
2/19/23 18:00	8.2	299	-37.1	67.7	0.2	0.0	M	98.6
2/19/23 19:00	8.2	286	-37.2	67.8	0.0	0.0	M	98.3
2/19/23 20:00	10.1	286	-37.1	67.9	0.0	0.0	M	98.5
2/19/23 21:00	9.8	283	-37.1	67.9	0.0	0.0	M	99.0
2/19/23 22:00	9.3	281	-37.5	67.6	0.0	0.0	M	97.7
2/19/23 23:00	7.6	291	-37.4	67.7	0.0	0.0	M	97.7
2/20/23 0:00	8.5	285	-37.4	67.7	0.0	0.0	M	97.9
2/20/23 1:00	9.8	283	-36.9	68.2	0.0	0.0	M	99.1
2/20/23 2:00	10.5	277	-36.9	68.1	0.0	0.0	M	99.2
2/20/23 3:00	10.1	281	-36.7	68.3	0.0	0.0	M	99.7
2/20/23 4:00	9.6	281	-36.5	68.6	0.0	0.0	M	100.6
2/20/23 5:00	12.0	279	-35.4	69.8	0.0	0.0	M	100.7
2/20/23 6:00	9.9	279	-35.0	70.1	0.0	0.0	M	100.8
2/20/23 7:00	7.8	282	-34.0	71.1	0.0	0.0	M	100.8
2/20/23 8:00	9.4	286	-32.7	72.2	0.5	0.0	M	100.7
2/20/23 9:00	10.4	280	-32.0	72.6	14.8	0.0	M	100.8
2/20/23 10:00	8.4	276	-31.1	72.9	45.4	0.0	M	100.8
2/20/23 11:00	7.8	271	-30.7	73.2	74.1	0.0	M	100.8
2/20/23 12:00	8.5	292	-29.5	73.9	107.6	0.0	M	100.8
2/20/23 13:00	7.8	315	-28.3	74.0	127.2	1.0	M	100.8
2/20/23 14:00	8.9	324	-27.5	74.9	98.0	0.0	M	100.9
2/20/23 15:00	6.8	314	-26.7	75.7	64.1	0.0	M	101.0
2/20/23 16:00	9.2	327	-25.7	77.1	36.0	0.0	M	100.9
2/20/23 17:00	9.0	329	-25.3	77.6	12.2	0.0	M	101.1
2/20/23 18:00	7.3	319	-25.3	78.4	0.4	0.0	M	101.2
2/20/23 19:00	8.2	319	-25.5	78.2	0.0	0.0	M	101.2
2/20/23 20:00	8.4	325	-26.4	77.4	0.0	0.0	M	101.2
2/20/23 21:00	8.2	333	-26.7	77.3	0.0	0.0	M	101.2
2/20/23 22:00	10.0	338	-26.6	77.5	0.0	0.0	M	101.2
2/20/23 23:00	10.8	325	-26.6	77.4	0.0	0.0	M	101.2
2/21/23 0:00	10.7	329	-26.7	77.0	0.0	0.0	M	101.3
2/21/23 1:00	12.1	322	-27.1	76.3	0.0	0.0	M	101.3
2/21/23 2:00	14.1	319	-27.0	76.6	0.0	0.0	M	101.3
2/21/23 3:00	11.2	317	-27.0	76.7	0.0	0.0	M	101.4
2/21/23 4:00	11.5	318	-26.5	76.5	0.0	0.0	M	101.4
2/21/23 5:00	7.3	309	-26.6	75.4	0.0	0.0	M	101.6
2/21/23 6:00	7.5	279	-27.3	76.3	0.0	0.0	M	101.6
2/21/23 7:00	8.5	274	-27.9	76.7	0.0	0.0	M	101.6
2/21/23 8:00	8.0	269	-28.1	76.4	0.9	0.0	M	101.6
2/21/23 9:00	9.5	278	-28.6	76.1	10.9	0.0	M	101.6
2/21/23 10:00	7.9	283	-28.5	76.1	47.4	0.0	M	101.6
2/21/23 11:00	10.0	292	-27.9	76.1	85.6	0.0	M	101.6
2/21/23 12:00	10.3	288	-27.4	75.9	111.3	0.0	M	101.7
2/21/23 13:00	9.3	282	-27.2	74.8	135.7	1.0	M	101.7
2/21/23 14:00	10.0	281	-27.0	75.1	157.5	1.0	M	101.7
2/21/23 15:00	9.9	283	-27.1	76.3	67.1	0.0	M	101.8
2/21/23 16:00	9.9	273	-27.2	76.2	43.2	0.0	M	101.7
2/21/23 17:00	11.0	277	-27.2	77.1	10.1	0.0	M	101.7
2/21/23 18:00	9.3	290	-26.5	77.6	0.2	0.0	M	101.8
2/21/23 19:00	8.4	283	-26.2	77.7	0.0	0.0	M	101.8
2/21/23 20:00	8.4	283	-26.4	77.1	0.0	0.0	M	101.8
2/21/23 21:00	7.9	289	-27.0	76.9	0.0	0.0	M	101.8
2/21/23 22:00	9.5	276	-27.7	76.3	0.0	0.0	M	101.7
2/21/23 23:00	10.0	275	-28.1	75.9	0.0	0.0	M	101.7
2/22/23 0:00	10.3	272	-28.5	76.3	0.0	0.0	M	101.6
2/22/23 1:00	9.9	270	-27.9	76.8	0.0	0.0	M	101.6
2/22/23 2:00	10.4	273	-27.6	77.3	0.0	0.0	M	101.6
2/22/23 3:00	10.8	273	-27.9	77.3	0.0	0.0	M	101.6
2/22/23 4:00	10.1	275	-27.9	77.3	0.0	0.0	M	101.6
2/22/23 5:00	10.0	272	-28.0	77.3	0.0	0.0	M	101.7
2/22/23 6:00	9.7	274	-27.2	78.1	0.0	0.0	M	101.7
2/22/23 7:00	7.1	306	-26.4	78.4	0.0	0.0	M	101.7
2/22/23 8:00	7.9	322	-26.7	76.0	1.6	0.0	M	101.8
2/22/23 9:00	7.1	322	-27.9	74.6	22.1	0.0	M	101.9
2/22/23 10:00	8.9	322	-28.7	72.9	63.5	0.0	M	101.9
2/22/23 11:00	8.8	318	-29.1	72.0	109.5	0.0	M	102.0
2/22/23 12:00	8.1	317	-29.3	71.0	151.2	1.0	M	102.0
2/22/23 13:00	9.3	316	-29.7	70.6	173.0	1.0	M	102.1
2/22/23 14:00	9.2	312	-29.4	70.6	162.7	1.0	M	102.1
2/22/23 15:00	10.2	317	-29.2	70.9	104.2	0.0	M	102.3
2/22/23 16:00	7.8	304	-29.2	71.8	58.5	0.0	M	102.4
2/22/23 17:00	6.8	298	-29.2	73.2	9.1	0.0	M	102.4
2/22/23 18:00	7.6	296	-28.8	74.6	0.5	0.0	M	102.4
2/22/23 19:00	9.0	297	-28.9	75.1	0.0	0.0	M	102.6
2/22/23 20:00	7.7	296	-29.0	75.1	0.0	0.0	M	102.6
2/22/23 21:00	8.8	288	-29.2	74.9	0.0	0.0	M	102.6
2/22/23 22:00	8.8	277	-29.7	75.1	0.0	0.0	M	102.7
2/22/23 23:00	8.5	275	-29.6	75.4	0.0	0.0	M	102.7

2/23/23 0:00	10.1	285	-29.4	75.5	0.0	0.0	M	102.8
2/23/23 1:00	9.7	277	-29.7	75.0	0.0	0.0	M	102.8
2/23/23 2:00	9.1	281	-29.6	75.4	0.0	0.0	M	102.8
2/23/23 3:00	9.3	279	-29.1	76.1	0.0	0.0	M	102.8
2/23/23 4:00	11.0	272	-29.1	75.1	0.0	0.0	M	102.7
2/23/23 5:00	11.8	271	-29.8	74.7	0.0	0.0	M	102.7
2/23/23 6:00	13.0	273	-29.6	74.8	0.0	0.0	M	102.7
2/23/23 7:00	11.9	272	-29.2	75.2	0.0	0.0	M	102.6
2/23/23 8:00	12.2	271	-28.1	75.8	1.6	0.0	M	102.6
2/23/23 9:00	12.9	270	-27.9	75.8	26.1	0.0	M	102.5
2/23/23 10:00	12.9	276	-27.7	76.4	68.6	0.0	M	102.5
2/23/23 11:00	12.8	272	-27.5	75.6	107.0	0.0	M	102.4
2/23/23 12:00	12.5	267	-27.6	75.8	120.2	1.0	M	102.3
2/23/23 13:00	10.6	269	-27.2	75.2	180.4	1.0	M	102.3
2/23/23 14:00	9.0	264	-27.0	75.8	135.1	1.0	M	102.2
2/23/23 15:00	8.8	267	-26.0	77.9	79.3	0.0	M	102.2
2/23/23 16:00	8.6	277	-25.6	78.4	50.4	0.0	M	102.1
2/23/23 17:00	9.0	276	-27.2	77.8	13.6	0.0	M	102.1
2/23/23 18:00	7.8	280	-27.8	77.9	0.8	0.0	M	102.0
2/23/23 19:00	8.0	279	-27.1	78.4	0.0	0.0	M	101.9
2/23/23 20:00	7.8	281	-26.6	78.4	0.0	0.0	M	101.8
2/23/23 21:00	8.5	287	-27.6	77.5	0.0	0.0	M	101.8
2/23/23 22:00	6.3	284	-29.1	76.6	0.0	0.0	M	101.6
2/23/23 23:00	5.3	278	-29.2	76.6	0.0	0.0	M	101.5
2/24/23 0:00	5.5	281	-28.8	76.9	0.0	0.0	M	101.4
2/24/23 1:00	4.8	282	-28.7	77.0	0.0	0.0	M	101.3
2/24/23 2:00	7.7	276	-28.7	77.0	0.0	0.0	M	101.2
2/24/23 3:00	6.7	277	-28.9	76.8	0.0	0.0	M	101.1
2/24/23 4:00	5.6	278	-28.9	76.8	0.0	0.0	M	101.0
2/24/23 5:00	6.4	269	-28.7	76.9	0.0	0.0	M	100.9
2/24/23 6:00	5.2	276	-29.0	76.7	0.0	0.0	M	100.8
2/24/23 7:00	1.4	197	-29.7	75.6	0.0	0.0	M	100.7
2/24/23 8:00	0.8	185	-30.4	75.5	2.4	0.0	M	100.6
2/24/23 9:00	0.7	124	-32.0	72.7	39.0	0.0	M	100.5
2/24/23 10:00	0.8	151	-32.5	72.5	81.6	0.0	M	100.4
2/24/23 11:00	0.1	42	-31.2	73.7	112.9	0.0	M	100.3
2/24/23 12:00	C	C	-29.5	74.3	188.3	1.0	M	100.2
2/24/23 13:00	M	M	-27.8	75.7	205.5	1.0	M	100.1
2/24/23 14:00	M	M	-28.5	74.9	179.1	1.0	M	100.0
2/24/23 15:00	M	M	-27.8	76.0	141.5	1.0	M	99.9
2/24/23 16:00	M	M	-29.1	74.6	88.6	0.0	M	99.9
2/24/23 17:00	M	M	-31.8	72.7	21.4	0.0	M	99.8
2/24/23 18:00	M	M	-32.8	72.8	0.9	0.0	M	99.7
2/24/23 19:00	M	M	-33.4	72.3	0.0	0.0	M	99.6
2/24/23 20:00	M	M	-34.1	71.7	0.0	0.0	M	99.5
2/24/23 21:00	M	M	-34.5	71.2	0.0	0.0	M	99.5
2/24/23 22:00	M	M	-34.7	71.0	0.0	0.0	M	99.4
2/24/23 23:00	M	M	-35.4	70.3	0.0	0.0	M	98.8
2/25/23 0:00	M	M	-35.9	69.8	0.0	0.0	M	97.6
2/25/23 1:00	M	M	-36.1	69.7	0.0	0.0	M	97.3
2/25/23 2:00	M	M	-36.1	69.6	0.0	0.0	M	96.9
2/25/23 3:00	M	M	-36.6	69.2	0.0	0.0	M	96.2
2/25/23 4:00	M	M	-36.9	68.7	0.0	0.0	M	95.0
2/25/23 5:00	M	M	-37.1	68.6	0.0	0.0	M	95.0
2/25/23 6:00	M	M	-37.5	68.1	0.0	0.0	M	94.3
2/25/23 7:00	M	M	-37.6	67.9	0.0	0.0	M	93.3
2/25/23 8:00	M	M	-37.4	68.0	3.5	0.0	M	93.2
2/25/23 9:00	M	M	-36.8	68.6	28.3	0.0	M	96.7
2/25/23 10:00	M	M	-35.6	69.1	75.2	0.0	M	99.2
2/25/23 11:00	M	M	-33.3	70.5	137.6	1.0	M	99.1
2/25/23 12:00	M	M	-30.2	71.8	150.4	1.0	M	99.1
2/25/23 13:00	M	M	-30.1	70.0	160.0	1.0	M	99.1
2/25/23 14:00	M	M	-30.0	69.9	147.4	1.0	M	99.1
2/25/23 15:00	M	M	-31.0	69.6	121.9	1.0	M	99.1
2/25/23 16:00	M	M	-31.2	71.8	83.8	0.0	M	99.1
2/25/23 17:00	2.4	293	-30.2	72.4	20.8	0.0	M	99.1
2/25/23 18:00	1.9	285	-31.0	72.5	1.1	0.0	M	99.1
2/25/23 19:00	0.5	151	-33.2	71.8	0.0	0.0	M	99.1
2/25/23 20:00	0.4	145	-35.0	70.4	0.0	0.0	M	99.1
2/25/23 21:00	0.3	157	-35.7	69.6	0.0	0.0	M	98.1
2/25/23 22:00	0.4	97	-36.0	69.4	0.0	0.0	M	96.9
2/25/23 23:00	1.9	174	-35.4	71.0	0.0	0.0	M	98.7
2/26/23 0:00	4.4	211	-31.9	73.3	0.0	0.0	M	99.1
2/26/23 1:00	1.3	135	-34.7	70.8	0.0	0.0	M	99.1
2/26/23 2:00	0.3	48	-34.8	70.5	0.0	0.0	M	99.1
2/26/23 3:00	0.7	87	-34.2	71.5	0.0	0.0	M	99.1
2/26/23 4:00	0.4	273	-32.3	73.1	0.0	0.0	M	99.1
2/26/23 5:00	0.4	54	-30.8	74.6	0.0	0.0	M	99.1
2/26/23 6:00	0.5	65	-29.3	75.9	0.0	0.0	M	99.1
2/26/23 7:00	0.3	50	-28.4	76.7	0.0	0.0	M	99.1
2/26/23 8:00	0.6	50	-27.6	77.5	1.9	0.0	M	99.1
2/26/23 9:00	0.2	52	-26.6	78.4	15.0	0.0	M	99.2
2/26/23 10:00	6.4	275	-23.9	80.8	45.2	0.0	M	99.1

2/26/23 11:00	8.3	272	-22.7	81.0	85.7	0.0	M	99.2
2/26/23 12:00	8.3	273	-21.6	81.3	120.4	1.0	M	99.3
2/26/23 13:00	9.1	266	-21.4	80.3	161.9	1.0	M	99.3
2/26/23 14:00	7.3	273	-21.8	80.4	149.1	1.0	M	99.4
2/26/23 15:00	9.1	279	-21.8	81.0	105.1	0.0	M	99.4
2/26/23 16:00	9.2	284	-22.5	80.9	64.5	0.0	M	99.5
2/26/23 17:00	7.1	286	-23.2	80.8	26.1	0.0	M	99.6
2/26/23 18:00	8.7	278	-24.1	81.2	2.2	0.0	M	99.6
2/26/23 19:00	9.7	278	-25.4	80.3	0.0	0.0	M	99.7
2/26/23 20:00	9.4	274	-25.6	80.1	0.0	0.0	M	99.8
2/26/23 21:00	7.6	283	-26.6	79.2	0.0	0.0	M	99.9
2/26/23 22:00	6.7	280	-25.6	80.2	0.0	0.0	M	99.9
2/26/23 23:00	6.6	283	-26.0	79.7	0.0	0.0	M	100.0
2/27/23 0:00	7.0	275	-26.0	79.8	0.0	0.0	M	100.1
2/27/23 1:00	5.7	284	-25.9	79.8	0.0	0.0	M	100.1
2/27/23 2:00	5.8	287	-26.6	79.1	0.0	0.0	M	100.2
2/27/23 3:00	4.4	291	-27.2	78.5	0.0	0.0	M	100.2
2/27/23 4:00	6.8	276	-27.7	78.2	0.0	0.0	M	100.2
2/27/23 5:00	8.6	275	-27.8	78.0	0.0	0.0	M	100.3
2/27/23 6:00	8.1	279	-27.7	78.1	0.0	0.0	M	100.3
2/27/23 7:00	6.2	282	-28.6	77.1	0.0	0.0	M	100.4
2/27/23 8:00	5.9	286	-29.7	76.0	3.5	0.0	M	100.4
2/27/23 9:00	5.9	284	-30.6	74.7	32.7	0.0	M	100.5
2/27/23 10:00	4.4	283	-30.7	73.9	76.6	0.0	M	100.5
2/27/23 11:00	4.4	295	-30.4	73.0	150.3	1.0	M	100.5
2/27/23 12:00	5.5	297	-30.8	72.3	192.1	1.0	M	100.6
2/27/23 13:00	4.9	297	-30.8	71.3	216.4	1.0	M	100.6
2/27/23 14:00	5.8	295	-31.3	70.6	206.9	1.0	M	100.7
2/27/23 15:00	6.2	292	-32.0	70.5	171.8	1.0	M	100.7
2/27/23 16:00	4.6	298	-32.2	71.1	85.3	0.0	M	100.8
2/27/23 17:00	4.1	288	-32.4	72.3	27.7	0.0	M	100.8
2/27/23 18:00	6.4	286	-32.3	73.1	3.3	0.0	M	100.8
2/27/23 19:00	5.9	288	-32.0	73.6	0.0	0.0	M	100.9
2/27/23 20:00	5.5	287	-31.5	74.5	0.0	0.0	M	100.9
2/27/23 21:00	5.9	284	-31.3	74.8	0.0	0.0	M	100.9
2/27/23 22:00	5.0	285	-31.5	74.5	0.0	0.0	M	100.9
2/27/23 23:00	5.9	276	-31.0	75.0	0.0	0.0	M	100.9
2/28/23 0:00	4.4	287	-30.7	75.3	0.0	0.0	M	101.0
2/28/23 1:00	4.4	287	-30.5	75.3	0.0	0.0	M	101.0
2/28/23 2:00	3.6	290	-29.9	75.9	0.0	0.0	M	100.9
2/28/23 3:00	3.8	272	-29.9	75.9	0.0	0.0	M	101.0
2/28/23 4:00	2.3	239	-30.2	75.2	0.0	0.0	M	101.0
2/28/23 5:00	1.1	244	-31.4	74.5	0.0	0.0	M	100.9
2/28/23 6:00	1.1	202	-32.0	73.4	0.0	0.0	M	101.0
2/28/23 7:00	0.5	108	-34.0	71.6	0.0	0.0	M	100.9
2/28/23 8:00	0.2	54	-34.2	71.4	6.0	0.0	M	101.0
2/28/23 9:00	0.5	45	-33.4	72.0	45.5	0.0	M	100.9
2/28/23 10:00	0.9	56	-32.0	72.9	96.3	0.0	M	100.9
2/28/23 11:00	1.1	91	-30.2	74.7	125.4	1.0	M	100.9
2/28/23 12:00	1.9	123	-28.5	76.4	132.8	1.0	M	100.9
2/28/23 13:00	2.3	135	-27.5	77.3	143.0	1.0	M	100.8
2/28/23 14:00	2.3	145	-26.5	78.3	120.5	1.0	M	100.8
2/28/23 15:00	2.1	154	-25.6	79.0	98.4	0.0	M	100.8
2/28/23 16:00	0.9	189	-24.7	80.0	55.0	0.0	M	100.8
2/28/23 17:00	5.1	276	-23.0	81.9	23.8	0.0	M	100.8
2/28/23 18:00	5.7	276	-24.3	80.8	2.2	0.0	M	100.8
2/28/23 19:00	4.7	254	-24.8	80.5	0.0	0.0	M	100.8
2/28/23 20:00	3.8	261	-25.0	80.4	0.0	0.0	M	100.8
2/28/23 21:00	4.6	263	-25.4	79.7	0.0	0.0	M	100.8
2/28/23 22:00	3.0	264	-26.4	79.1	0.0	0.0	M	100.8
2/28/23 23:00	1.7	181	-26.8	78.5	0.0	0.0	M	100.8
3/1/23 0:00	0.9	133	-27.6	78.0	0.0	0.0	M	100.8
3/1/23 1:00	1.7	131	-28.2	77.6	0.0	0.0	M	100.8
3/1/23 2:00	2.3	84	-28.0	78.0	0.0	0.0	M	100.7
3/1/23 3:00	2.1	102	-27.9	78.0	0.0	0.0	M	100.7
3/1/23 4:00	1.0	72	-27.5	78.1	0.0	0.0	M	100.7
3/1/23 5:00	1.1	56	-27.7	78.0	0.0	0.0	M	100.6
3/1/23 6:00	1.1	74	-27.1	78.5	0.0	0.0	M	100.6
3/1/23 7:00	0.7	90	-27.5	78.0	0.0	0.0	M	100.5
3/1/23 8:00	1.0	91	-27.0	78.6	5.5	0.0	M	100.4
3/1/23 9:00	2.2	132	-26.3	78.7	61.0	0.0	M	100.4
3/1/23 10:00	3.6	132	-26.0	79.1	69.3	0.0	M	100.4
3/1/23 11:00	6.1	148	-23.7	80.0	111.3	0.0	M	100.3
3/1/23 12:00	7.4	161	-21.7	79.4	126.7	1.0	M	100.2
3/1/23 13:00	9.1	160	-20.2	78.4	156.3	1.0	M	100.1
3/1/23 14:00	8.9	153	-20.2	80.2	130.4	1.0	M	100.1
3/1/23 15:00	10.1	159	-19.8	80.7	118.1	0.0	M	100.1
3/1/23 16:00	10.1	158	-19.5	81.8	66.2	0.0	M	100.0
3/1/23 17:00	9.7	155	-19.8	83.1	56.3	0.0	M	99.9
3/1/23 18:00	13.1	154	-19.9	83.7	4.1	0.0	M	99.9
3/1/23 19:00	12.1	156	-20.2	82.5	0.0	0.0	M	99.9
3/1/23 20:00	12.2	154	-20.7	82.9	0.0	0.0	M	99.9
3/1/23 21:00	13.7	156	-20.9	83.3	0.0	0.0	M	99.8

3/1/23 22:00	13.7	153	-21.5	82.6	0.0	0.0	M	99.9
3/1/23 23:00	13.5	154	-22.0	82.8	0.0	0.0	M	99.9
3/2/23 0:00	13.0	158	-21.8	81.2	0.0	0.0	M	99.9
3/2/23 1:00	12.0	155	-21.9	80.4	0.0	0.0	M	100.0
3/2/23 2:00	11.4	151	-22.4	81.4	0.0	0.0	M	100.0
3/2/23 3:00	12.4	150	-22.4	81.7	0.0	0.0	M	100.0
3/2/23 4:00	15.0	146	-22.6	80.7	0.0	0.0	M	100.1
3/2/23 5:00	14.6	147	-22.8	80.5	0.0	0.0	M	100.1
3/2/23 6:00	15.1	148	-22.9	80.4	0.0	0.0	M	100.1
3/2/23 7:00	15.1	153	-22.7	79.1	0.1	0.0	M	100.2
3/2/23 8:00	13.6	149	-23.2	79.9	20.0	0.0	M	100.2
3/2/23 9:00	13.8	148	-23.4	79.4	84.7	0.0	M	100.3
3/2/23 10:00	11.7	143	-23.6	76.4	163.4	1.0	M	100.4
3/2/23 11:00	9.6	130	-23.4	74.3	212.2	1.0	M	100.6
3/2/23 12:00	6.3	140	-23.1	69.8	228.6	1.0	M	100.6
3/2/23 13:00	6.1	127	-23.1	69.4	256.5	1.0	M	100.7
3/2/23 14:00	6.4	123	-23.7	71.3	126.5	1.0	M	100.7
3/2/23 15:00	6.6	110	-23.2	78.3	143.8	1.0	M	100.7
3/2/23 16:00	7.8	99	-23.6	81.2	93.6	0.0	M	100.7
3/2/23 17:00	7.1	97	-24.8	80.7	32.3	0.0	M	100.8
3/2/23 18:00	5.7	120	-26.3	78.9	2.5	0.0	M	100.7
3/2/23 19:00	7.3	129	-28.4	77.4	0.0	0.0	M	100.8
3/2/23 20:00	4.9	145	-29.2	76.6	0.0	0.0	M	100.8
3/2/23 21:00	4.5	115	-28.0	77.9	0.0	0.0	M	100.8
3/2/23 22:00	3.3	140	-29.9	75.8	0.0	0.0	M	100.8
3/2/23 23:00	4.0	133	-30.5	75.3	0.0	0.0	M	100.8
3/3/23 0:00	3.1	115	-30.6	75.2	0.0	0.0	M	100.9
3/3/23 1:00	2.4	95	-30.6	75.1	0.0	0.0	M	101.0
3/3/23 2:00	2.3	113	-31.0	74.7	0.0	0.0	M	101.0
3/3/23 3:00	1.4	108	-31.5	74.1	0.0	0.0	M	101.0
3/3/23 4:00	1.8	100	-32.1	73.5	0.0	0.0	M	101.1
3/3/23 5:00	1.9	86	-32.7	72.9	0.0	0.0	M	101.1
3/3/23 6:00	2.6	C	-33.2	72.5	0.0	0.0	M	101.1
3/3/23 7:00	2.5	100	-32.5	73.4	0.0	0.0	M	101.2
3/3/23 8:00	2.1	95	-32.3	73.2	7.7	0.0	M	101.2
3/3/23 9:00	2.2	85	-31.9	73.2	44.0	0.0	M	101.2
3/3/23 10:00	2.8	83	-32.0	73.8	76.6	0.0	M	101.2
3/3/23 11:00	2.4	88	-31.2	74.5	80.9	0.0	M	101.3
3/3/23 12:00	2.1	112	-28.8	77.1	152.0	1.0	M	101.3
3/3/23 13:00	2.7	96	-28.5	76.8	136.8	1.0	M	101.4
3/3/23 14:00	1.8	90	-26.6	79.2	168.1	1.0	M	101.4
3/3/23 15:00	1.9	73	-26.6	79.7	113.6	0.0	M	101.4
3/3/23 16:00	2.0	76	-27.4	78.9	86.5	0.0	M	101.5
3/3/23 17:00	1.4	73	-29.0	76.8	40.6	0.0	M	101.5
3/3/23 18:00	1.0	92	-30.5	74.6	3.6	0.0	M	101.5
3/3/23 19:00	0.6	98	-31.4	73.8	0.0	0.0	M	101.5
3/3/23 20:00	0.5	111	-31.7	73.7	0.0	0.0	M	101.5
3/3/23 21:00	0.5	99	-31.8	73.5	0.0	0.0	M	101.6
3/3/23 22:00	0.3	236	-31.8	73.7	0.0	0.0	M	101.5
3/3/23 23:00	1.4	288	-30.2	75.3	0.0	0.0	M	101.6
3/4/23 0:00	2.6	286	-29.2	76.4	0.0	0.0	M	101.6
3/4/23 1:00	4.6	286	-28.3	77.2	0.0	0.0	M	101.5
3/4/23 2:00	4.0	283	-27.8	77.5	0.0	0.0	M	101.6
3/4/23 3:00	3.7	283	-27.5	77.9	0.0	0.0	M	101.6
3/4/23 4:00	3.7	302	-27.1	78.2	0.0	0.0	M	101.6
3/4/23 5:00	4.6	300	-26.7	78.6	0.0	0.0	M	101.6
3/4/23 6:00	4.2	296	-26.4	78.9	0.0	0.0	M	101.6
3/4/23 7:00	6.4	284	-26.2	79.0	0.2	0.0	M	101.5
3/4/23 8:00	8.1	284	-26.6	78.7	12.5	0.0	M	101.5
3/4/23 9:00	8.4	285	-26.4	78.4	87.7	0.0	M	101.5
3/4/23 10:00	8.1	280	-26.2	78.3	119.0	0.0	M	101.5
3/4/23 11:00	6.5	283	-25.4	78.7	150.4	1.0	M	101.5
3/4/23 12:00	5.9	286	-24.5	79.0	179.7	1.0	M	101.5
3/4/23 13:00	5.4	293	-23.9	79.4	185.7	1.0	M	101.5
3/4/23 14:00	5.3	297	-23.5	79.7	158.9	1.0	M	101.5
3/4/23 15:00	5.0	293	-23.7	79.9	116.4	0.0	M	101.4
3/4/23 16:00	5.3	293	-23.6	80.4	86.9	0.0	M	101.5
3/4/23 17:00	5.7	294	-23.6	80.6	33.0	0.0	M	101.5
3/4/23 18:00	6.0	290	-24.3	80.6	4.1	0.0	M	101.5
3/4/23 19:00	4.7	281	-25.2	80.3	0.0	0.0	M	101.5
3/4/23 20:00	6.7	270	-26.1	79.4	0.0	0.0	M	101.5
3/4/23 21:00	7.0	266	-26.3	79.3	0.0	0.0	M	101.5
3/4/23 22:00	7.7	256	-26.8	78.8	0.0	0.0	M	101.5
3/4/23 23:00	5.8	252	-27.2	78.6	0.0	0.0	M	101.5
3/5/23 0:00	7.5	260	-26.4	79.4	0.0	0.0	M	101.5
3/5/23 1:00	8.8	258	-26.4	79.2	0.0	0.0	M	101.6
3/5/23 2:00	9.1	257	-27.1	78.5	0.0	0.0	M	101.6
3/5/23 3:00	9.3	257	-27.2	78.5	0.0	0.0	M	101.7
3/5/23 4:00	8.5	257	-27.5	78.0	0.0	0.0	M	101.8
3/5/23 5:00	6.5	243	-27.5	78.0	0.0	0.0	M	101.9
3/5/23 6:00	4.0	241	-27.9	77.3	0.0	0.0	M	101.9
3/5/23 7:00	4.1	208	-28.9	76.3	0.5	0.0	M	102.0
3/5/23 8:00	3.5	185	-29.9	75.7	16.2	0.0	M	102.0

3/5/23 9:00	1.2	107	-29.4	75.4	81.1	0.0	M	102.1
3/5/23 10:00	2.7	161	-29.3	74.9	151.8	1.0	M	102.1
3/5/23 11:00	2.5	153	-27.9	75.4	217.9	1.0	M	102.1
3/5/23 12:00	4.4	148	-28.9	74.2	270.0	1.0	M	102.2
3/5/23 13:00	5.4	172	-28.6	73.8	289.5	1.0	M	102.3
3/5/23 14:00	5.1	183	-28.2	73.3	274.3	1.0	M	102.3
3/5/23 15:00	4.7	184	-27.9	73.2	221.5	1.0	M	102.4
3/5/23 16:00	4.5	191	-27.9	73.4	148.5	1.0	M	102.4
3/5/23 17:00	1.9	125	-28.2	74.9	70.2	0.0	M	102.5
3/5/23 18:00	1.5	123	-30.0	74.0	7.0	0.0	M	102.6
3/5/23 19:00	0.8	113	-31.5	73.4	0.1	0.0	M	102.6
3/5/23 20:00	1.1	99	-32.6	72.7	0.0	0.0	M	102.7
3/5/23 21:00	0.8	114	-33.5	72.0	0.0	0.0	M	102.7
3/5/23 22:00	0.9	97	-33.8	71.9	0.0	0.0	M	102.7
3/5/23 23:00	0.9	77	-34.1	71.6	0.0	0.0	M	102.8
3/6/23 0:00	1.3	94	-34.3	71.4	0.0	0.0	M	102.9
3/6/23 1:00	1.1	103	-34.7	71.0	0.0	0.0	M	102.9
3/6/23 2:00	0.8	121	-34.8	70.8	0.0	0.0	M	103.0
3/6/23 3:00	1.0	105	-35.3	70.3	0.0	0.0	M	103.0
3/6/23 4:00	0.4	44	-35.9	69.7	0.0	0.0	M	101.6
3/6/23 5:00	0.4	138	-36.0	69.7	0.0	0.0	M	101.1
3/6/23 6:00	0.4	56	-36.2	69.2	0.0	0.0	M	100.7
3/6/23 7:00	0.1	124	-36.5	69.2	0.8	0.0	M	100.2
3/6/23 8:00	0.4	95	-35.8	69.7	29.2	0.0	M	102.2
3/6/23 9:00	0.1	64	-33.0	70.7	126.4	1.0	M	103.3
3/6/23 10:00	0.4	50	-31.7	69.9	198.3	1.0	M	103.3
3/6/23 11:00	0.3	47	-32.0	69.0	148.9	1.0	M	103.4
3/6/23 12:00	0.6	73	-31.2	70.7	228.1	1.0	M	103.4
3/6/23 13:00	0.9	93	-27.7	71.9	323.3	1.0	M	103.5
3/6/23 14:00	1.6	113	-28.2	69.3	316.1	1.0	M	103.5
3/6/23 15:00	1.6	132	-29.2	70.2	249.5	1.0	M	103.6
3/6/23 16:00	2.0	124	-29.2	70.0	178.7	1.0	M	103.6
3/6/23 17:00	1.6	107	-29.9	71.7	100.3	0.0	M	103.7
3/6/23 18:00	1.5	99	-31.3	72.2	9.3	0.0	M	103.7
3/6/23 19:00	1.2	100	-31.7	73.0	0.1	0.0	M	103.8
3/6/23 20:00	1.3	95	-32.9	72.0	0.0	0.0	M	103.8
3/6/23 21:00	1.5	104	-33.4	71.6	0.0	0.0	M	103.9
3/6/23 22:00	1.0	109	-34.2	71.0	0.0	0.0	M	103.9
3/6/23 23:00	1.0	67	-34.5	70.6	0.0	0.0	M	104.0
3/7/23 0:00	0.8	56	-34.5	70.5	0.0	0.0	M	104.1
3/7/23 1:00	1.0	89	-34.8	70.3	0.0	0.0	M	104.1
3/7/23 2:00	1.2	90	-34.7	70.5	0.0	0.0	M	104.2
3/7/23 3:00	1.0	95	-34.7	70.3	0.0	0.0	M	104.2
3/7/23 4:00	1.6	111	-34.8	70.2	0.0	0.0	M	104.3
3/7/23 5:00	1.6	111	-35.2	69.8	0.0	0.0	M	104.4
3/7/23 6:00	1.9	134	-35.1	69.9	0.0	0.0	M	104.4
3/7/23 7:00	2.1	139	-35.2	69.7	0.9	0.0	M	104.5
3/7/23 8:00	1.3	132	-34.4	69.5	34.4	0.0	M	104.5
3/7/23 9:00	1.4	107	-32.9	68.2	111.4	0.0	M	104.6
3/7/23 10:00	1.3	142	-32.6	68.3	148.5	1.0	M	104.6
3/7/23 11:00	2.0	133	-31.2	66.8	277.6	1.0	M	104.6
3/7/23 12:00	2.5	139	-30.8	66.0	298.3	1.0	M	104.7
3/7/23 13:00	2.7	137	-30.2	66.4	300.9	1.0	M	104.7
3/7/23 14:00	2.9	132	-29.6	66.0	281.8	1.0	M	104.8
3/7/23 15:00	2.3	131	-28.9	67.6	243.4	1.0	M	104.8
3/7/23 16:00	1.7	112	-28.5	67.3	182.5	1.0	M	104.8
3/7/23 17:00	1.7	102	-28.9	69.6	106.6	0.0	M	104.8
3/7/23 18:00	1.1	115	-30.2	70.6	12.2	0.0	M	104.8
3/7/23 19:00	1.0	82	-30.9	71.9	0.3	0.0	M	104.8
3/7/23 20:00	0.4	171	-31.7	71.7	0.0	0.0	M	104.8
3/7/23 21:00	0.3	55	-32.0	72.2	0.0	0.0	M	104.8
3/7/23 22:00	0.2	48	-32.5	72.2	0.0	0.0	M	104.8
3/7/23 23:00	0.6	50	-32.9	72.4	0.0	0.0	M	104.8
3/8/23 0:00	0.4	117	-33.1	72.0	0.0	0.0	M	104.8
3/8/23 1:00	0.6	68	-33.6	72.0	0.0	0.0	M	104.8
3/8/23 2:00	0.5	88	-33.7	71.8	0.0	0.0	M	104.8
3/8/23 3:00	0.3	116	-33.7	71.9	0.0	0.0	M	104.8
3/8/23 4:00	0.2	95	-34.1	71.1	0.0	0.0	M	104.8
3/8/23 5:00	0.2	67	-34.6	70.7	0.0	0.0	M	104.8
3/8/23 6:00	0.1	90	-34.8	70.5	0.0	0.0	M	104.8
3/8/23 7:00	0.1	104	-34.7	70.5	1.2	0.0	M	104.8
3/8/23 8:00	0.2	132	-34.1	70.7	23.0	0.0	M	104.7
3/8/23 9:00	0.2	137	-32.6	69.1	94.6	0.0	M	104.7
3/8/23 10:00	0.2	93	-30.1	65.6	157.2	1.0	M	104.6
3/8/23 11:00	0.1	86	-29.7	62.3	134.1	1.0	M	104.6
3/8/23 12:00	0.6	140	-29.4	63.2	208.1	1.0	M	104.6
3/8/23 13:00	1.6	308	-27.9	64.7	288.1	1.0	M	104.5
3/8/23 14:00	3.1	282	-27.6	67.0	275.2	1.0	M	104.4
3/8/23 15:00	3.1	274	-28.2	69.2	236.2	1.0	M	104.4
3/8/23 16:00	2.6	291	-26.8	69.4	204.8	1.0	M	104.3
3/8/23 17:00	4.9	290	-27.3	72.2	114.6	0.0	M	104.2
3/8/23 18:00	4.0	284	-27.8	73.9	24.5	0.0	M	104.2
3/8/23 19:00	1.9	281	-28.5	75.5	0.4	0.0	M	104.1

3/8/23 20:00	1.4	262	-28.6	75.2	0.0	0.0	M	104.0
3/8/23 21:00	2.5	256	-29.2	76.0	0.0	0.0	M	103.9
3/8/23 22:00	2.0	244	-29.3	75.6	0.0	0.0	M	103.9
3/8/23 23:00	0.4	191	-30.8	74.9	0.0	0.0	M	103.8
3/9/23 0:00	0.6	104	-32.1	73.4	0.0	0.0	M	103.7
3/9/23 1:00	0.7	130	-32.9	72.5	0.0	0.0	M	103.7
3/9/23 2:00	0.2	176	-33.2	72.2	0.0	0.0	M	103.6
3/9/23 3:00	C	C	-33.5	71.7	0.0	0.0	M	103.5
3/9/23 4:00	0.1	43	-33.8	71.3	0.0	0.0	M	103.4
3/9/23 5:00	0.2	56	-34.0	71.3	0.0	0.0	M	103.4
3/9/23 6:00	0.2	55	-33.7	71.6	0.0	0.0	M	103.3
3/9/23 7:00	0.5	64	-33.8	71.4	1.8	0.0	M	103.2
3/9/23 8:00	0.3	53	-32.0	72.3	43.8	0.0	M	103.1
3/9/23 9:00	0.2	42	-30.5	71.3	126.9	1.0	M	103.1
3/9/23 10:00	0.4	48	-29.4	68.7	190.2	1.0	M	103.0
3/9/23 11:00	0.4	38	-28.5	66.4	177.3	1.0	M	103.0
3/9/23 12:00	0.2	148	-26.0	63.2	238.4	1.0	M	102.9
3/9/23 13:00	0.2	96	-24.3	59.0	294.4	1.0	M	102.8
3/9/23 14:00	0.7	73	-24.5	59.9	296.1	1.0	M	102.8
3/9/23 15:00	0.9	83	-25.7	66.5	192.3	1.0	M	102.7
3/9/23 16:00	0.7	77	-25.0	68.0	177.9	1.0	M	102.7
3/9/23 17:00	0.6	76	-25.2	68.6	84.4	0.0	M	102.6
3/9/23 18:00	0.7	57	-27.0	72.9	10.3	0.0	M	102.6
3/9/23 19:00	0.2	54	-27.8	75.5	0.3	0.0	M	102.5
3/9/23 20:00	0.7	54	-27.9	76.5	0.0	0.0	M	102.5
3/9/23 21:00	0.6	50	-27.8	76.8	0.0	0.0	M	102.5
3/9/23 22:00	0.5	46	-27.4	77.1	0.0	0.0	M	102.4
3/9/23 23:00	0.4	64	-26.9	77.7	0.0	0.0	M	102.4
3/10/23 0:00	0.5	63	-26.3	78.0	0.0	0.0	M	102.4
3/10/23 1:00	0.4	67	-25.6	78.6	0.0	0.0	M	102.4
3/10/23 2:00	0.4	40	-24.7	79.4	0.0	0.0	M	102.3
3/10/23 3:00	0.7	53	-24.0	79.9	0.0	0.0	M	102.3
3/10/23 4:00	0.5	56	-24.7	80.1	0.0	0.0	M	102.3
3/10/23 5:00	0.5	65	-25.5	79.7	0.0	0.0	M	102.3
3/10/23 6:00	0.3	74	-26.3	79.3	0.0	0.0	M	102.3
3/10/23 7:00	0.2	53	-26.7	78.9	1.8	0.0	M	102.3
3/10/23 8:00	0.3	41	-25.8	78.6	27.3	0.0	M	102.3
3/10/23 9:00	0.2	86	-23.5	77.0	79.9	0.0	M	102.3
3/10/23 10:00	0.4	84	-23.6	71.7	113.8	0.0	M	102.3
3/10/23 11:00	0.2	74	-23.0	68.6	136.5	1.0	M	102.3
3/10/23 12:00	0.1	101	-20.4	61.4	192.9	1.0	M	102.3
3/10/23 13:00	C	C	-19.0	55.5	220.5	1.0	M	102.3
3/10/23 14:00	0.2	111	-19.7	54.2	203.7	1.0	M	102.3
3/10/23 15:00	0.1	84	-20.4	56.8	183.2	1.0	M	102.3
3/10/23 16:00	0.1	86	-21.2	59.7	158.7	1.0	M	102.3
3/10/23 17:00	C	C	-21.9	62.3	108.8	0.0	M	102.2
3/10/23 18:00	0.1	84	-24.5	69.7	18.8	0.0	M	102.2
3/10/23 19:00	1.2	268	-26.2	76.5	0.5	0.0	M	102.2
3/10/23 20:00	3.4	280	-25.5	80.5	0.0	0.0	M	102.3
3/10/23 21:00	2.9	280	-26.2	79.4	0.0	0.0	M	102.3
3/10/23 22:00	3.2	284	-27.0	78.9	0.0	0.0	M	102.3
3/10/23 23:00	2.5	294	-26.5	79.0	0.0	0.0	M	102.3
3/11/23 0:00	2.8	289	-27.0	78.6	0.0	0.0	M	102.4
3/11/23 1:00	1.6	270	-27.2	78.3	0.0	0.0	M	102.4
3/11/23 2:00	0.8	179	-29.1	76.3	0.0	0.0	M	102.4
3/11/23 3:00	0.4	121	-29.7	75.9	0.0	0.0	M	102.4
3/11/23 4:00	0.5	161	-29.7	75.8	0.0	0.0	M	102.4
3/11/23 5:00	0.3	126	-30.5	74.9	0.0	0.0	M	102.4
3/11/23 6:00	0.2	103	-31.5	74.0	0.0	0.0	M	102.4
3/11/23 7:00	0.4	107	-31.3	74.3	1.8	0.0	M	102.4
3/11/23 8:00	0.3	114	-30.1	75.6	17.6	0.0	M	102.4
3/11/23 9:00	0.5	144	-28.4	77.1	55.2	0.0	M	102.4
3/11/23 10:00	0.6	131	-27.6	77.5	90.6	0.0	M	102.4
3/11/23 11:00	0.6	126	-26.1	78.4	161.0	1.0	M	102.3
3/11/23 12:00	0.4	131	-24.0	79.9	170.9	1.0	M	102.3
3/11/23 13:00	0.5	153	-23.5	78.3	199.0	1.0	M	102.3
3/11/23 14:00	1.5	155	-25.4	74.0	197.6	1.0	M	102.3
3/11/23 15:00	1.5	149	-26.0	74.3	149.7	1.0	M	102.3
3/11/23 16:00	0.1	155	-25.5	75.2	78.0	0.0	M	102.2
3/11/23 17:00	0.5	104	-26.6	76.0	43.1	0.0	M	102.2
3/11/23 18:00	0.3	112	-27.2	76.4	9.8	0.0	M	102.2
3/11/23 19:00	0.4	98	-27.7	77.1	0.4	0.0	M	102.2
3/11/23 20:00	0.4	242	-27.8	77.8	0.0	0.0	M	102.2
3/11/23 21:00	0.7	272	-28.3	77.1	0.0	0.0	M	102.2
3/11/23 22:00	0.1	278	-29.0	76.7	0.0	0.0	M	102.2
3/11/23 23:00	0.1	111	-30.2	75.2	0.0	0.0	M	102.2
3/12/23 0:00	0.1	143	-31.3	74.5	0.0	0.0	M	102.1
3/12/23 1:00	C	C	-31.1	74.6	0.0	0.0	M	102.1
3/12/23 2:00	0.1	144	-31.6	74.0	0.0	0.0	M	102.1
3/12/23 3:00	0.2	156	-32.5	73.0	0.0	0.0	M	102.1
3/12/23 4:00	0.4	224	-32.2	74.0	0.0	0.0	M	102.1
3/12/23 5:00	1.7	292	-30.9	75.3	0.0	0.0	M	102.1
3/12/23 6:00	4.7	278	-29.3	76.5	0.0	0.0	M	102.1

3/12/23 7:00	4.0	283	-28.6	76.8	2.1	0.0	M	102.0
3/12/23 8:00	4.5	284	-28.9	76.3	13.9	0.0	M	102.0
3/12/23 9:00	3.5	280	-28.9	76.0	38.5	0.0	M	102.0
3/12/23 10:00	2.8	274	-28.6	75.1	84.5	0.0	M	102.0
3/12/23 11:00	3.9	279	-28.8	74.0	131.1	1.0	M	102.0
3/12/23 12:00	4.7	276	-28.9	73.2	171.6	1.0	M	102.0
3/12/23 13:00	4.6	275	-28.8	73.2	191.2	1.0	M	102.0
3/12/23 14:00	4.6	275	-28.7	72.8	231.0	1.0	M	102.0
3/12/23 15:00	5.6	281	-28.8	73.5	166.3	1.0	M	102.0
3/12/23 16:00	5.4	291	-29.1	74.6	115.7	0.0	M	102.0
3/12/23 17:00	3.4	295	-28.9	75.3	63.0	0.0	M	102.0
3/12/23 18:00	4.2	293	-29.5	75.5	17.8	0.0	M	101.9
3/12/23 19:00	4.1	288	-29.7	75.8	0.9	0.0	M	102.0
3/12/23 20:00	5.8	284	-29.9	75.9	0.0	0.0	M	101.9
3/12/23 21:00	4.8	287	-29.9	75.9	0.0	0.0	M	101.9
3/12/23 22:00	5.2	289	-29.4	76.4	0.0	0.0	M	101.9
3/12/23 23:00	5.9	289	-29.4	76.2	0.0	0.0	M	101.9
3/13/23 0:00	6.2	288	-29.7	76.0	0.0	0.0	M	101.9
3/13/23 1:00	5.7	290	-29.3	76.3	0.0	0.0	M	101.9
3/13/23 2:00	5.1	289	-29.2	76.3	0.0	0.0	M	101.9
3/13/23 3:00	3.6	287	-29.3	76.3	0.0	0.0	M	101.9
3/13/23 4:00	4.9	291	-28.7	76.8	0.0	0.0	M	101.9
3/13/23 5:00	1.2	217	-28.9	76.5	0.0	0.0	M	101.9
3/13/23 6:00	1.8	269	-29.6	75.8	0.0	0.0	M	101.9
3/13/23 7:00	1.2	271	-30.0	75.3	3.1	0.0	M	101.9
3/13/23 8:00	1.7	234	-30.6	74.6	23.4	0.0	M	101.9
3/13/23 9:00	0.6	194	-31.0	73.8	56.9	0.0	M	101.9
3/13/23 10:00	0.8	150	-31.6	73.2	118.3	0.0	M	101.9
3/13/23 11:00	0.8	134	-29.9	74.9	211.7	1.0	M	101.9
3/13/23 12:00	0.8	164	-27.7	77.2	275.3	1.0	M	101.9
3/13/23 13:00	1.3	151	-28.6	75.0	312.3	1.0	M	101.8
3/13/23 14:00	1.0	137	-27.6	77.2	328.7	1.0	M	101.8
3/13/23 15:00	0.7	132	-27.0	78.2	295.0	1.0	M	101.8
3/13/23 16:00	0.2	129	-25.7	79.3	220.3	1.0	M	101.8
3/13/23 17:00	C	C	-26.4	77.3	124.0	1.0	M	101.8
3/13/23 18:00	0.2	51	-29.1	75.0	30.1	0.0	M	101.8
3/13/23 19:00	0.4	79	-30.9	74.3	1.2	0.0	M	101.8
3/13/23 20:00	0.4	81	-31.9	73.4	0.0	0.0	M	101.7
3/13/23 21:00	0.7	93	-32.4	73.1	0.0	0.0	M	101.7
3/13/23 22:00	0.6	59	-32.7	72.8	0.0	0.0	M	101.7
3/13/23 23:00	0.8	74	-32.9	72.8	0.0	0.0	M	101.7
3/14/23 0:00	0.6	61	-32.6	73.1	0.0	0.0	M	101.7
3/14/23 1:00	0.2	54	-32.6	72.7	0.0	0.0	M	101.7
3/14/23 2:00	0.1	69	-33.2	72.1	0.0	0.0	M	101.7
3/14/23 3:00	0.5	86	-33.4	72.0	0.0	0.0	M	101.7
3/14/23 4:00	0.3	63	-33.9	71.5	0.0	0.0	M	101.7
3/14/23 5:00	0.6	59	-34.1	71.3	0.0	0.0	M	101.7
3/14/23 6:00	0.1	63	-33.9	71.5	0.0	0.0	M	101.7
3/14/23 7:00	0.4	73	-34.1	71.2	4.5	0.0	M	101.7
3/14/23 8:00	0.2	61	-32.0	72.7	37.7	0.0	M	101.7
3/14/23 9:00	0.2	71	-29.6	73.5	93.1	0.0	M	101.7
3/14/23 10:00	0.2	75	-28.4	72.7	140.5	1.0	M	101.6
3/14/23 11:00	0.4	89	-29.2	73.8	160.9	1.0	M	101.6
3/14/23 12:00	0.1	92	-25.7	74.0	285.1	1.0	M	101.6
3/14/23 13:00	C	C	-23.5	73.7	344.9	1.0	M	101.7
3/14/23 14:00	0.1	165	-22.8	73.0	356.5	1.0	M	101.6
3/14/23 15:00	0.2	146	-23.2	72.9	313.5	1.0	M	101.7
3/14/23 16:00	0.1	171	-23.6	71.4	234.9	1.0	M	101.6
3/14/23 17:00	0.2	113	-25.5	71.4	141.1	1.0	M	101.6
3/14/23 18:00	0.1	71	-27.5	71.8	41.8	0.0	M	101.6
3/14/23 19:00	C	C	-29.3	74.4	1.5	0.0	M	101.6
3/14/23 20:00	M	M	-30.0	74.6	0.0	0.0	M	101.6
3/14/23 21:00	C	C	-30.8	74.2	0.0	0.0	M	101.7
3/14/23 22:00	C	C	-31.7	73.5	0.0	0.0	M	101.6
3/14/23 23:00	C	C	-32.0	73.3	0.0	0.0	M	101.7
3/15/23 0:00	C	C	-32.3	72.9	0.0	0.0	M	101.7
3/15/23 1:00	C	C	-32.5	72.8	0.0	0.0	M	101.7
3/15/23 2:00	C	C	-32.2	73.4	0.0	0.0	M	101.8
3/15/23 3:00	C	C	-32.4	73.0	0.0	0.0	M	101.8
3/15/23 4:00	0.5	231	-32.0	74.0	0.0	0.0	M	101.8
3/15/23 5:00	2.1	266	-30.1	76.0	0.0	0.0	M	101.9
3/15/23 6:00	3.2	285	-29.8	75.8	0.0	0.0	M	101.9
3/15/23 7:00	2.4	278	-30.1	75.4	4.7	0.0	M	102.0
3/15/23 8:00	1.4	304	-29.3	74.5	31.4	0.0	M	102.0
3/15/23 9:00	3.1	291	-28.5	73.5	66.5	0.0	M	102.0
3/15/23 10:00	4.8	276	-28.0	73.1	118.6	0.0	M	102.1
3/15/23 11:00	3.3	287	-26.3	71.6	195.3	1.0	M	102.1
3/15/23 12:00	6.3	283	-26.6	72.0	281.4	1.0	M	102.1
3/15/23 13:00	5.8	283	-26.5	72.6	314.2	1.0	M	102.2
3/15/23 14:00	4.1	283	-26.0	72.2	326.3	1.0	M	102.2
3/15/23 15:00	4.5	288	-26.0	72.0	286.9	1.0	M	102.3
3/15/23 16:00	4.6	286	-26.3	72.6	213.2	1.0	M	102.3
3/15/23 17:00	3.5	290	-26.6	73.3	129.0	1.0	M	102.3

3/15/23 18:00	1.6	321	-27.4	73.6	42.2	0.0	M	102.3
3/15/23 19:00	0.4	147	-29.0	75.4	2.2	0.0	M	102.3
3/15/23 20:00	0.4	183	-30.8	74.5	0.0	0.0	M	102.4
3/15/23 21:00	0.3	77	-31.9	73.6	0.0	0.0	M	102.4
3/15/23 22:00	0.4	73	-32.3	73.2	0.0	0.0	M	102.3
3/15/23 23:00	0.9	86	-32.9	72.6	0.0	0.0	M	102.3
3/16/23 0:00	0.7	77	-33.1	72.6	0.0	0.0	M	102.3
3/16/23 1:00	1.3	88	-33.4	72.4	0.0	0.0	M	102.3
3/16/23 2:00	1.3	78	-33.0	73.1	0.0	0.0	M	102.3
3/16/23 3:00	1.3	69	-32.0	74.0	0.0	0.0	M	102.2
3/16/23 4:00	2.9	71	-31.6	74.2	0.0	0.0	M	102.2
3/16/23 5:00	3.8	76	-31.5	74.3	0.0	0.0	M	102.2
3/16/23 6:00	4.1	72	-31.6	74.1	0.0	0.0	M	102.1
3/16/23 7:00	4.2	66	-31.7	73.9	6.8	0.0	M	102.1
3/16/23 8:00	3.9	75	-31.4	74.0	54.2	0.0	M	102.1
3/16/23 9:00	4.0	87	-30.9	73.9	122.8	1.0	M	102.0
3/16/23 10:00	2.9	78	-30.3	73.9	177.6	1.0	M	102.0
3/16/23 11:00	2.4	86	-29.1	74.3	215.7	1.0	M	102.0
3/16/23 12:00	1.9	111	-27.7	74.7	232.8	1.0	M	102.0
3/16/23 13:00	1.5	94	-26.5	74.2	244.2	1.0	M	101.9
3/16/23 14:00	0.9	79	-24.8	71.8	269.9	1.0	M	101.9
3/16/23 15:00	0.6	66	-23.9	70.5	237.6	1.0	M	101.9
3/16/23 16:00	0.5	45	-21.9	65.9	247.4	1.0	M	101.8
3/16/23 17:00	0.2	49	-23.2	69.2	111.3	0.0	M	101.8
3/16/23 18:00	0.1	52	-24.2	72.3	25.2	0.0	M	101.8
3/16/23 19:00	0.3	41	-25.0	76.7	2.0	0.0	M	101.8
3/16/23 20:00	0.6	106	-24.8	79.1	0.0	0.0	M	101.7
3/16/23 21:00	0.7	67	-25.7	79.3	0.0	0.0	M	101.7
3/16/23 22:00	0.5	80	-26.3	79.2	0.0	0.0	M	101.7
3/16/23 23:00	0.8	61	-25.8	79.9	0.0	0.0	M	101.7
3/17/23 0:00	0.4	38	-25.4	79.9	0.0	0.0	M	101.7
3/17/23 1:00	0.5	59	-26.1	79.2	0.0	0.0	M	101.7
3/17/23 2:00	0.1	84	-26.7	78.8	0.0	0.0	M	101.7
3/17/23 3:00	0.4	84	-26.8	78.8	0.0	0.0	M	101.7
3/17/23 4:00	0.3	169	-26.2	79.1	0.0	0.0	M	101.7
3/17/23 5:00	0.3	258	-26.1	79.5	0.0	0.0	M	101.7
3/17/23 6:00	3.4	272	-23.4	82.2	0.1	0.0	M	101.7
3/17/23 7:00	5.6	276	-22.7	82.2	10.4	0.0	M	101.7
3/17/23 8:00	7.0	274	-24.6	79.9	58.8	0.0	M	101.8
3/17/23 9:00	6.7	280	-25.4	79.1	123.2	1.0	M	101.8
3/17/23 10:00	8.8	278	-25.4	78.2	198.1	1.0	M	101.8
3/17/23 11:00	9.4	276	-26.1	75.6	306.4	1.0	M	101.8
3/17/23 12:00	10.6	277	-26.6	74.9	340.7	1.0	M	101.9
3/17/23 13:00	10.0	281	-26.8	74.0	355.1	1.0	M	101.9
3/17/23 14:00	9.1	280	-26.8	73.1	339.3	1.0	M	101.9
3/17/23 15:00	6.0	276	-26.8	71.8	289.5	1.0	M	102.0
3/17/23 16:00	7.8	270	-27.2	73.2	219.1	1.0	M	102.0
3/17/23 17:00	5.6	276	-27.7	73.1	134.3	1.0	M	102.1
3/17/23 18:00	6.4	267	-28.1	74.2	51.1	0.0	M	102.0
3/17/23 19:00	3.4	268	-28.8	75.9	4.0	0.0	M	102.1
3/17/23 20:00	3.5	264	-29.3	75.7	0.0	0.0	M	102.1
3/17/23 21:00	4.6	263	-29.7	74.5	0.0	0.0	M	102.1
3/17/23 22:00	6.0	270	-30.0	73.8	0.0	0.0	M	102.1
3/17/23 23:00	5.7	281	-31.2	72.5	0.0	0.0	M	102.1
3/18/23 0:00	6.9	280	-31.9	72.4	0.0	0.0	M	102.1
3/18/23 1:00	7.5	279	-32.2	72.5	0.0	0.0	M	102.2
3/18/23 2:00	8.3	284	-32.6	72.4	0.0	0.0	M	102.2
3/18/23 3:00	6.8	293	-33.0	72.3	0.0	0.0	M	102.3
3/18/23 4:00	6.0	293	-33.4	72.2	0.0	0.0	M	102.3
3/18/23 5:00	5.7	298	-33.1	71.1	0.0	0.0	M	102.4
3/18/23 6:00	5.3	293	-33.1	70.8	0.2	0.0	M	102.4
3/18/23 7:00	5.6	282	-33.4	70.4	13.2	0.0	M	102.4
3/18/23 8:00	4.9	286	-32.8	69.1	76.0	0.0	M	102.5
3/18/23 9:00	3.8	277	-32.3	66.8	171.1	1.0	M	102.6
3/18/23 10:00	4.5	281	-31.3	66.7	277.5	1.0	M	102.6
3/18/23 11:00	5.1	271	-30.9	68.0	320.4	1.0	M	102.6
3/18/23 12:00	5.7	276	-30.3	68.5	358.6	1.0	M	102.7
3/18/23 13:00	4.7	279	-29.5	68.1	366.8	1.0	M	102.7
3/18/23 14:00	2.9	274	-28.6	66.8	347.3	1.0	M	102.7
3/18/23 15:00	5.7	274	-29.2	68.7	299.8	1.0	M	102.7
3/18/23 16:00	7.1	277	-29.6	70.0	227.1	1.0	M	102.8
3/18/23 17:00	6.3	277	-29.8	71.2	143.9	1.0	M	102.8
3/18/23 18:00	1.2	242	-29.6	70.1	57.9	0.0	M	102.8
3/18/23 19:00	2.7	289	-30.6	72.3	5.5	0.0	M	102.8
3/18/23 20:00	2.9	289	-30.9	73.1	0.0	0.0	M	102.8
3/18/23 21:00	1.8	274	-31.0	73.2	0.0	0.0	M	102.9
3/18/23 22:00	1.3	262	-31.3	73.0	0.0	0.0	M	102.9
3/18/23 23:00	0.3	105	-32.1	73.4	0.0	0.0	M	102.9
3/19/23 0:00	0.4	96	-33.4	72.1	0.0	0.0	M	102.9
3/19/23 1:00	0.5	103	-33.9	71.8	0.0	0.0	M	102.9
3/19/23 2:00	0.2	125	-34.3	71.2	0.0	0.0	M	102.8
3/19/23 3:00	0.3	74	-34.4	70.9	0.0	0.0	M	102.9
3/19/23 4:00	0.6	74	-34.7	70.7	0.0	0.0	M	102.8

3/19/23 5:00	0.3	60	-35.0	70.5	0.0	0.0	M	102.8
3/19/23 6:00	0.7	91	-34.9	70.6	0.4	0.0	M	102.8
3/19/23 7:00	1.3	81	-35.0	70.3	18.1	0.0	M	102.8
3/19/23 8:00	0.9	94	-33.7	69.5	94.4	0.0	M	102.8
3/19/23 9:00	1.2	100	-32.5	68.2	213.7	1.0	M	102.8
3/19/23 10:00	1.3	94	-32.1	67.4	254.2	1.0	M	102.8
3/19/23 11:00	1.3	92	-31.3	67.9	231.5	1.0	M	102.8
3/19/23 12:00	2.4	118	-29.6	72.5	373.8	1.0	M	102.7
3/19/23 13:00	3.3	127	-28.1	73.1	393.8	1.0	M	102.8
3/19/23 14:00	3.1	111	-27.5	74.8	359.7	1.0	M	102.8
3/19/23 15:00	3.9	78	-28.4	72.0	266.4	1.0	M	102.7
3/19/23 16:00	5.3	77	-28.7	72.5	218.1	1.0	M	102.8
3/19/23 17:00	3.7	85	-29.0	72.7	124.0	1.0	M	102.7
3/19/23 18:00	2.9	83	-29.7	72.2	61.1	0.0	M	102.8
3/19/23 19:00	2.5	102	-30.5	74.4	5.1	0.0	M	102.8
3/19/23 20:00	1.8	122	-31.0	74.9	0.0	0.0	M	102.8
3/19/23 21:00	1.6	124	-31.2	74.7	0.0	0.0	M	102.8
3/19/23 22:00	1.8	103	-31.9	73.5	0.0	0.0	M	102.8
3/19/23 23:00	1.2	80	-32.7	72.7	0.0	0.0	M	102.8
3/20/23 0:00	1.2	71	-32.5	72.9	0.0	0.0	M	102.8
3/20/23 1:00	1.6	70	-33.0	72.3	0.0	0.0	M	102.9
3/20/23 2:00	1.7	77	-33.1	72.5	0.0	0.0	M	102.9
3/20/23 3:00	0.8	96	-33.4	71.9	0.0	0.0	M	102.9
3/20/23 4:00	0.5	87	-33.4	71.7	0.0	0.0	M	102.9
3/20/23 5:00	0.5	106	-33.8	71.3	0.0	0.0	M	102.9
3/20/23 6:00	0.7	100	-34.1	71.2	0.6	0.0	M	102.9
3/20/23 7:00	0.8	78	-33.9	71.3	20.0	0.0	M	103.0
3/20/23 8:00	1.1	101	-33.1	71.2	112.8	0.0	M	103.0
3/20/23 9:00	1.4	104	-32.6	71.5	184.1	1.0	M	102.9
3/20/23 10:00	2.1	123	-32.2	72.0	244.1	1.0	M	103.0
3/20/23 11:00	2.2	118	-31.1	72.4	340.0	1.0	M	102.9
3/20/23 12:00	2.3	122	-30.6	72.6	397.0	1.0	M	103.0
3/20/23 13:00	2.0	118	-29.2	73.1	429.5	1.0	M	102.9
3/20/23 14:00	2.7	133	-28.4	72.5	384.9	1.0	M	102.9
3/20/23 15:00	2.7	132	-28.0	72.1	324.5	1.0	M	102.8
3/20/23 16:00	2.6	131	-27.9	71.6	247.3	1.0	M	102.8
3/20/23 17:00	1.9	118	-27.7	73.1	174.0	1.0	M	102.8
3/20/23 18:00	1.7	110	-28.1	72.7	75.3	0.0	M	102.7
3/20/23 19:00	1.6	99	-28.8	74.9	6.0	0.0	M	102.7
3/20/23 20:00	1.7	108	-29.5	75.5	0.0	0.0	M	102.7
3/20/23 21:00	1.6	117	-30.0	75.6	0.0	0.0	M	102.6
3/20/23 22:00	1.6	116	-31.1	74.4	0.0	0.0	M	102.6
3/20/23 23:00	1.4	121	-31.2	74.5	0.0	0.0	M	102.6
3/21/23 0:00	1.3	108	-31.6	73.7	0.0	0.0	M	102.5
3/21/23 1:00	1.0	85	-31.9	73.3	0.0	0.0	M	102.5
3/21/23 2:00	0.9	98	-31.9	73.3	0.0	0.0	M	102.4
3/21/23 3:00	1.1	96	-32.1	73.1	0.0	0.0	M	102.4
3/21/23 4:00	1.1	98	-32.1	73.3	0.0	0.0	M	102.3
3/21/23 5:00	1.1	103	-31.9	73.4	0.0	0.0	M	102.3
3/21/23 6:00	0.6	113	-32.1	73.0	0.7	0.0	M	102.2
3/21/23 7:00	1.0	96	-32.0	73.2	14.0	0.0	M	102.2
3/21/23 8:00	1.0	97	-30.7	74.1	95.5	0.0	M	102.2
3/21/23 9:00	1.4	92	-29.7	73.8	204.7	1.0	M	102.1
3/21/23 10:00	2.4	79	-29.0	72.7	286.8	1.0	M	102.1
3/21/23 11:00	3.0	100	-28.1	72.7	322.5	1.0	M	102.1
3/21/23 12:00	2.8	88	-27.6	71.6	314.8	1.0	M	102.0
3/21/23 13:00	2.5	101	-26.4	72.1	357.9	1.0	M	102.0
3/21/23 14:00	2.7	123	-25.1	74.9	387.2	1.0	M	102.0
3/21/23 15:00	2.9	90	-25.2	73.6	306.3	1.0	M	101.9
3/21/23 16:00	3.7	79	-25.6	73.7	230.3	1.0	M	101.9
3/21/23 17:00	3.8	80	-26.1	74.2	150.4	1.0	M	101.8
3/21/23 18:00	3.7	77	-26.8	73.9	71.1	0.0	M	101.8
3/21/23 19:00	1.6	81	-27.6	75.0	6.7	0.0	M	101.8
3/21/23 20:00	1.7	116	-28.1	76.8	0.0	0.0	M	101.7
3/21/23 21:00	1.9	85	-28.8	76.1	0.0	0.0	M	101.7
3/21/23 22:00	1.8	82	-29.3	76.0	0.0	0.0	M	101.8
3/21/23 23:00	1.4	68	-29.8	75.6	0.0	0.0	M	101.7
3/22/23 0:00	1.4	73	-30.3	75.2	0.0	0.0	M	101.7
3/22/23 1:00	1.2	84	-30.5	75.1	0.0	0.0	M	101.7
3/22/23 2:00	1.4	74	-31.2	74.4	0.0	0.0	M	101.7
3/22/23 3:00	1.7	59	-31.3	74.2	0.0	0.0	M	101.7
3/22/23 4:00	1.8	53	-31.4	74.1	0.0	0.0	M	101.7
3/22/23 5:00	1.8	64	-31.8	73.5	0.0	0.0	M	101.7
3/22/23 6:00	1.1	55	-32.1	73.2	1.3	0.0	M	101.6
3/22/23 7:00	1.1	98	-31.9	72.9	31.6	0.0	M	101.6
3/22/23 8:00	0.5	81	-29.8	72.9	111.3	0.0	M	101.6
3/22/23 9:00	0.7	92	-28.7	70.2	222.7	1.0	M	101.7
3/22/23 10:00	1.2	90	-29.5	68.3	272.0	1.0	M	101.7
3/22/23 11:00	1.5	112	-29.0	69.0	342.3	1.0	M	101.6
3/22/23 12:00	2.3	117	-28.1	73.1	381.7	1.0	M	101.6
3/22/23 13:00	1.8	129	-27.1	69.5	421.5	1.0	M	101.7
3/22/23 14:00	1.4	90	-26.3	69.0	393.6	1.0	M	101.7
3/22/23 15:00	1.2	99	-25.3	70.0	352.4	1.0	M	101.6

3/22/23 16:00	1.1	122	-25.1	68.9	268.4	1.0	M	101.7
3/22/23 17:00	0.7	84	-25.0	70.1	169.2	1.0	M	101.6
3/22/23 18:00	0.8	71	-25.6	70.4	81.5	0.0	M	101.6
3/22/23 19:00	0.6	109	-27.2	72.4	10.0	0.0	M	101.6
3/22/23 20:00	0.2	169	-28.6	74.5	0.1	0.0	M	101.6
3/22/23 21:00	0.1	163	-29.3	74.1	0.0	0.0	M	101.6
3/22/23 22:00	0.4	208	-29.9	74.4	0.0	0.0	M	101.6
3/22/23 23:00	1.7	277	-28.7	76.6	0.0	0.0	M	101.6
3/23/23 0:00	3.8	281	-26.7	77.2	0.0	0.0	M	101.5
3/23/23 1:00	6.4	289	-26.3	77.8	0.0	0.0	M	101.5
3/23/23 2:00	8.2	290	-26.0	79.0	0.0	0.0	M	101.5
3/23/23 3:00	8.9	289	-25.6	79.1	0.0	0.0	M	101.4
3/23/23 4:00	10.5	280	-25.8	79.2	0.0	0.0	M	101.3
3/23/23 5:00	10.3	282	-25.2	78.8	0.0	0.0	M	101.4
3/23/23 6:00	10.5	286	-25.5	79.3	1.7	0.0	M	101.3
3/23/23 7:00	9.7	288	-26.3	78.5	26.1	0.0	M	101.3
3/23/23 8:00	8.6	287	-25.9	78.5	87.4	0.0	M	101.4
3/23/23 9:00	7.1	290	-25.0	77.3	231.2	1.0	M	101.4
3/23/23 10:00	5.4	288	-23.9	75.8	270.3	1.0	M	101.4
3/23/23 11:00	4.4	287	-22.8	73.7	339.6	1.0	M	101.4
3/23/23 12:00	3.9	313	-21.9	70.3	401.0	1.0	M	101.4
3/23/23 13:00	2.8	323	-21.8	69.7	331.5	1.0	M	101.4
3/23/23 14:00	2.3	346	-21.4	68.8	377.4	1.0	M	101.4
3/23/23 15:00	2.5	345	-21.8	70.6	324.8	1.0	M	101.4
3/23/23 16:00	2.6	311	-21.7	72.0	244.3	1.0	M	101.4
3/23/23 17:00	2.9	338	-22.3	74.0	160.0	1.0	M	101.4
3/23/23 18:00	2.4	18	-23.5	76.1	57.4	0.0	M	101.5
3/23/23 19:00	1.9	38	-24.6	77.3	8.2	0.0	M	101.5
3/23/23 20:00	0.9	71	-25.3	76.7	0.1	0.0	M	101.5
3/23/23 21:00	0.7	63	-26.7	77.7	0.0	0.0	M	101.5
3/23/23 22:00	1.1	75	-27.4	78.2	0.0	0.0	M	101.6
3/23/23 23:00	1.3	0	-27.5	77.5	0.0	0.0	M	101.6
3/24/23 0:00	2.0	33	-28.6	76.6	0.0	0.0	M	101.6
3/24/23 1:00	1.2	44	-29.4	76.0	0.0	0.0	M	101.7
3/24/23 2:00	0.9	44	-29.8	75.5	0.0	0.0	M	101.7
3/24/23 3:00	1.2	326	-30.8	75.1	0.0	0.0	M	101.7
3/24/23 4:00	0.6	333	-31.2	74.6	0.0	0.0	M	101.8
3/24/23 5:00	0.3	267	-31.2	74.8	0.0	0.0	M	101.8
3/24/23 6:00	0.8	315	-30.7	74.9	2.3	0.0	M	101.9
3/24/23 7:00	1.0	360	-29.9	73.8	36.5	0.0	M	101.9
3/24/23 8:00	1.5	282	-29.0	70.8	112.6	0.0	M	101.9
3/24/23 9:00	1.4	345	-27.3	67.5	221.0	1.0	M	102.0
3/24/23 10:00	0.9	38	-26.3	63.7	308.1	1.0	M	102.0
3/24/23 11:00	0.9	310	-25.7	63.1	346.1	1.0	M	102.0
3/24/23 12:00	1.2	333	-25.4	63.7	386.2	1.0	M	102.1
3/24/23 13:00	1.8	323	-25.3	65.6	409.1	1.0	M	102.1
3/24/23 14:00	1.6	8	-24.9	65.9	395.4	1.0	M	102.1
3/24/23 15:00	1.4	14	-24.9	67.7	346.2	1.0	M	102.2
3/24/23 16:00	1.7	348	-25.0	68.9	266.4	1.0	M	102.2
3/24/23 17:00	1.5	23	-25.8	70.9	176.8	1.0	M	102.2
3/24/23 18:00	1.7	38	-26.5	72.4	91.9	0.0	M	102.3
3/24/23 19:00	1.8	75	-28.0	74.7	14.8	0.0	M	102.3
3/24/23 20:00	0.6	160	-28.7	76.5	0.3	0.0	M	102.4
3/24/23 21:00	0.2	86	-29.8	75.7	0.0	0.0	M	102.4
3/24/23 22:00	1.1	112	-31.0	74.8	0.0	0.0	M	102.4
3/24/23 23:00	1.0	104	-31.5	74.4	0.0	0.0	M	102.4
3/25/23 0:00	0.5	102	-31.9	73.8	0.0	0.0	M	102.4
3/25/23 1:00	0.3	131	-32.3	73.1	0.0	0.0	M	102.4
3/25/23 2:00	0.2	68	-32.6	72.7	0.0	0.0	M	102.5
3/25/23 3:00	0.4	89	-33.6	71.9	0.0	0.0	M	102.5
3/25/23 4:00	0.4	92	-34.1	71.3	0.0	0.0	M	102.6
3/25/23 5:00	0.6	92	-34.3	71.2	0.0	0.0	M	102.6
3/25/23 6:00	0.3	83	-34.6	70.8	3.5	0.0	M	102.6
3/25/23 7:00	0.8	82	-34.2	70.9	50.9	0.0	M	102.7
3/25/23 8:00	0.9	85	-33.0	70.8	153.4	1.0	M	102.7
3/25/23 9:00	1.7	103	-33.0	70.6	193.9	1.0	M	102.7
3/25/23 10:00	2.2	122	-31.8	72.3	305.9	1.0	M	102.7
3/25/23 11:00	1.9	122	-30.6	72.1	418.4	1.0	M	102.7
3/25/23 12:00	2.0	115	-29.2	73.3	457.3	1.0	M	102.8
3/25/23 13:00	1.9	118	-27.1	72.9	465.1	1.0	M	102.8
3/25/23 14:00	3.1	113	-26.0	76.0	424.0	1.0	M	102.8
3/25/23 15:00	2.9	95	-26.0	74.6	318.2	1.0	M	102.8
3/25/23 16:00	3.1	99	-25.9	74.7	268.9	1.0	M	102.8
3/25/23 17:00	2.7	89	-26.3	74.6	172.5	1.0	M	102.9
3/25/23 18:00	2.4	82	-27.3	74.3	91.9	0.0	M	102.9
3/25/23 19:00	2.5	85	-28.2	75.1	19.4	0.0	M	103.0
3/25/23 20:00	2.7	103	-29.3	75.9	0.3	0.0	M	103.0
3/25/23 21:00	1.7	83	-30.5	75.2	0.0	0.0	M	103.0
3/25/23 22:00	1.2	97	-31.0	74.8	0.0	0.0	M	103.0
3/25/23 23:00	0.9	101	-31.2	74.6	0.0	0.0	M	103.1
3/26/23 0:00	0.8	100	-32.1	73.3	0.0	0.0	M	103.1
3/26/23 1:00	0.3	86	-33.1	72.3	0.0	0.0	M	103.1
3/26/23 2:00	0.2	86	-33.6	71.8	0.0	0.0	M	103.1

3/26/23 3:00	0.1	54	-33.9	71.6	0.0	0.0	M	103.2
3/26/23 4:00	0.2	68	-34.2	71.1	0.0	0.0	M	103.2
3/26/23 5:00	0.1	88	-34.6	70.7	0.0	0.0	M	103.2
3/26/23 6:00	0.1	106	-35.0	70.3	4.7	0.0	M	103.2
3/26/23 7:00	0.1	89	-32.6	71.5	60.1	0.0	M	103.3
3/26/23 8:00	C	C	-29.5	70.8	145.8	1.0	M	103.2
3/26/23 9:00	0.1	126	-27.7	64.9	243.8	1.0	M	103.2
3/26/23 10:00	0.4	135	-30.1	64.6	192.8	1.0	M	103.2
3/26/23 11:00	0.4	142	-28.0	64.3	341.4	1.0	M	103.3
3/26/23 12:00	0.4	204	-24.5	60.7	425.2	1.0	M	103.3
3/26/23 13:00	1.7	265	-26.2	66.1	432.7	1.0	M	103.2
3/26/23 14:00	3.5	284	-26.5	71.1	410.8	1.0	M	103.2
3/26/23 15:00	4.5	281	-26.0	72.8	361.7	1.0	M	103.2
3/26/23 16:00	4.1	285	-25.9	73.1	288.5	1.0	M	103.3
3/26/23 17:00	5.1	284	-26.2	74.9	197.7	1.0	M	103.2
3/26/23 18:00	4.5	291	-26.3	75.3	104.1	0.0	M	103.3
3/26/23 19:00	4.8	290	-26.8	76.9	20.9	0.0	M	103.2
3/26/23 20:00	3.7	288	-27.2	77.7	0.6	0.0	M	103.2
3/26/23 21:00	3.6	288	-27.3	78.1	0.0	0.0	M	103.2
3/26/23 22:00	2.5	288	-28.0	77.5	0.0	0.0	M	103.2
3/26/23 23:00	0.3	132	-30.5	74.7	0.0	0.0	M	103.2
3/27/23 0:00	0.6	135	-31.8	73.6	0.0	0.0	M	103.2
3/27/23 1:00	0.1	84	-32.7	72.6	0.0	0.0	M	103.2
3/27/23 2:00	0.2	85	-33.3	72.0	0.0	0.0	M	103.2
3/27/23 3:00	0.3	88	-33.9	71.4	0.0	0.0	M	103.2
3/27/23 4:00	0.1	90	-34.2	71.2	0.0	0.0	M	103.1
3/27/23 5:00	0.3	63	-34.5	70.8	0.0	0.0	M	103.1
3/27/23 6:00	0.5	59	-34.7	70.7	6.5	0.0	M	103.1
3/27/23 7:00	0.8	84	-33.2	71.3	63.7	0.0	M	103.1
3/27/23 8:00	0.4	83	-30.9	71.1	145.9	1.0	M	103.1
3/27/23 9:00	1.5	112	-32.0	71.4	195.0	1.0	M	103.1
3/27/23 10:00	1.6	123	-30.6	72.8	292.6	1.0	M	103.0
3/27/23 11:00	1.9	124	-28.7	72.9	400.8	1.0	M	103.0
3/27/23 12:00	2.7	126	-27.3	73.8	443.2	1.0	M	102.9
3/27/23 13:00	3.2	138	-26.2	72.2	446.8	1.0	M	102.9
3/27/23 14:00	3.2	133	-25.2	71.8	425.4	1.0	M	102.8
3/27/23 15:00	4.1	134	-24.6	71.9	375.2	1.0	M	102.7
3/27/23 16:00	5.2	142	-24.3	72.5	298.3	1.0	M	102.7
3/27/23 17:00	3.8	137	-24.2	73.4	207.3	1.0	M	102.6
3/27/23 18:00	3.1	125	-24.9	74.0	115.1	0.0	M	102.5
3/27/23 19:00	4.0	129	-26.2	75.5	22.7	0.0	M	102.4
3/27/23 20:00	7.0	148	-27.0	76.6	0.4	0.0	M	102.3
3/27/23 21:00	4.7	137	-27.2	77.4	0.0	0.0	M	102.2
3/27/23 22:00	2.7	106	-28.0	77.3	0.0	0.0	M	102.1
3/27/23 23:00	2.0	135	-28.1	77.4	0.0	0.0	M	102.0
3/28/23 0:00	2.7	124	-28.0	77.2	0.0	0.0	M	101.9
3/28/23 1:00	6.7	152	-27.7	76.7	0.0	0.0	M	101.8
3/28/23 2:00	5.0	139	-26.7	76.0	0.0	0.0	M	101.7
3/28/23 3:00	3.2	141	-27.0	76.1	0.0	0.0	M	101.6
3/28/23 4:00	1.8	98	-26.3	77.2	0.0	0.0	M	101.5
3/28/23 5:00	2.6	145	-25.4	77.7	0.0	0.0	M	101.3
3/28/23 6:00	4.7	151	-24.6	76.9	8.5	0.0	M	101.2
3/28/23 7:00	5.2	151	-24.5	77.4	38.3	0.0	M	101.1
3/28/23 8:00	3.8	145	-23.2	75.8	170.0	1.0	M	101.0
3/28/23 9:00	3.0	139	-20.7	76.8	219.3	1.0	M	100.9
3/28/23 10:00	3.6	128	-18.6	77.4	246.0	1.0	M	100.8
3/28/23 11:00	3.6	133	-17.0	77.8	303.9	1.0	M	100.7
3/28/23 12:00	5.0	148	-16.1	78.1	341.8	1.0	M	100.6
3/28/23 13:00	5.3	150	-15.2	81.6	299.9	1.0	M	100.5
3/28/23 14:00	4.6	151	-14.3	84.0	303.8	1.0	M	100.4
3/28/23 15:00	3.6	145	-13.5	85.3	226.9	1.0	M	100.4
3/28/23 16:00	3.2	137	-13.1	87.0	209.0	1.0	M	100.3
3/28/23 17:00	2.7	135	-12.8	88.5	152.3	1.0	M	100.3
3/28/23 18:00	2.0	81	-13.3	88.6	86.1	0.0	M	100.3
3/28/23 19:00	2.5	36	-14.3	88.9	21.2	0.0	M	100.3
3/28/23 20:00	3.0	26	-15.0	88.9	1.1	0.0	M	100.3
3/28/23 21:00	3.6	4	-16.0	88.3	0.0	0.0	M	100.3
3/28/23 22:00	6.1	325	-16.0	86.5	0.0	0.0	M	100.3
3/28/23 23:00	6.4	296	-18.0	85.3	0.0	0.0	M	100.4
3/29/23 0:00	7.4	280	-19.6	85.0	0.0	0.0	M	100.4
3/29/23 1:00	7.5	284	-20.8	83.6	0.0	0.0	M	100.4
3/29/23 2:00	6.5	290	-21.7	83.7	0.0	0.0	M	100.4
3/29/23 3:00	6.1	292	-21.1	84.1	0.0	0.0	M	100.4
3/29/23 4:00	4.0	294	-21.7	83.4	0.0	0.0	M	100.5
3/29/23 5:00	6.4	311	-22.4	80.7	0.0	0.0	M	100.5
3/29/23 6:00	5.6	294	-23.1	81.3	3.7	0.0	M	100.5
3/29/23 7:00	5.6	291	-23.0	81.5	45.0	0.0	M	100.5
3/29/23 8:00	5.7	296	-21.6	80.5	143.1	1.0	M	100.5
3/29/23 9:00	5.4	305	-20.9	77.1	200.0	1.0	M	100.6
3/29/23 10:00	7.6	318	-20.9	76.6	274.9	1.0	M	100.5
3/29/23 11:00	7.7	321	-21.4	77.3	268.4	1.0	M	100.6
3/29/23 12:00	6.6	319	-21.3	77.0	331.3	1.0	M	100.6
3/29/23 13:00	6.4	339	-21.0	75.8	365.9	1.0	M	100.6

3/29/23 14:00	6.7	352	-20.9	76.4	366.3	1.0	M	100.7
3/29/23 15:00	6.0	358	-20.4	76.8	321.5	1.0	M	100.8
3/29/23 16:00	6.9	354	-19.7	78.7	212.3	1.0	M	100.9
3/29/23 17:00	6.7	352	-19.7	79.3	156.1	1.0	M	100.9
3/29/23 18:00	6.1	354	-20.0	80.7	66.4	0.0	M	100.9
3/29/23 19:00	4.5	346	-20.2	80.9	14.2	0.0	M	101.0
3/29/23 20:00	4.3	333	-20.4	81.3	0.8	0.0	M	101.0
3/29/23 21:00	4.7	324	-20.6	81.5	0.0	0.0	M	101.0
3/29/23 22:00	4.5	326	-20.9	82.3	0.0	0.0	M	101.1
3/29/23 23:00	3.1	325	-21.0	83.2	0.0	0.0	M	101.1
3/30/23 0:00	2.1	309	-20.9	83.2	0.0	0.0	M	101.1
3/30/23 1:00	3.1	296	-21.1	83.7	0.0	0.0	M	101.2
3/30/23 2:00	2.3	281	-22.0	83.3	0.0	0.0	M	101.2
3/30/23 3:00	2.8	286	-22.6	83.4	0.0	0.0	M	101.2
3/30/23 4:00	2.4	277	-22.2	83.2	0.0	0.0	M	101.2
3/30/23 5:00	3.0	283	-22.7	82.9	0.1	0.0	M	101.2
3/30/23 6:00	1.8	304	-22.7	82.7	10.6	0.0	M	101.3
3/30/23 7:00	0.2	357	-21.2	81.2	81.2	0.0	M	101.3
3/30/23 8:00	1.1	284	-22.5	78.5	100.3	0.0	M	101.3
3/30/23 9:00	0.6	94	-21.3	76.3	235.5	1.0	M	101.4
3/30/23 10:00	0.3	92	-19.1	68.1	345.5	1.0	M	101.4
3/30/23 11:00	1.3	77	-21.9	68.9	356.7	1.0	M	101.4
3/30/23 12:00	1.8	83	-23.1	72.5	385.7	1.0	M	101.5
3/30/23 13:00	1.6	90	-22.5	71.3	413.7	1.0	M	101.5
3/30/23 14:00	2.2	87	-23.0	72.1	391.1	1.0	M	101.6
3/30/23 15:00	1.8	84	-23.1	71.7	360.9	1.0	M	101.6
3/30/23 16:00	2.2	83	-23.4	72.5	296.5	1.0	M	101.6
3/30/23 17:00	1.7	92	-23.8	73.6	224.4	1.0	M	101.7
3/30/23 18:00	1.5	98	-24.4	74.5	134.7	1.0	M	101.7
3/30/23 19:00	1.3	107	-25.7	74.9	35.3	0.0	M	101.7
3/30/23 20:00	0.6	54	-27.5	77.9	1.6	0.0	M	101.8
3/30/23 21:00	1.0	78	-28.5	78.5	0.0	0.0	M	101.8
3/30/23 22:00	0.6	66	-29.7	77.2	0.0	0.0	M	101.9
3/30/23 23:00	0.4	98	-31.0	75.8	0.0	0.0	M	101.9
3/31/23 0:00	0.2	76	-31.4	75.3	0.0	0.0	M	102.0
3/31/23 1:00	0.3	91	-32.0	74.2	0.0	0.0	M	102.0
3/31/23 2:00	0.1	145	-32.5	73.7	0.0	0.0	M	102.0
3/31/23 3:00	0.2	89	-33.1	73.0	0.0	0.0	M	102.1
3/31/23 4:00	0.4	64	-33.4	72.6	0.0	0.0	M	102.1
3/31/23 5:00	0.4	82	-33.9	72.1	0.1	0.0	M	102.2
3/31/23 6:00	0.4	87	-33.7	72.2	15.6	0.0	M	102.2
3/31/23 7:00	0.4	69	-32.0	72.2	74.6	0.0	M	102.2
3/31/23 8:00	0.2	62	-28.9	72.4	177.6	1.0	M	102.2
3/31/23 9:00	0.5	56	-29.1	68.6	272.8	1.0	M	102.3
3/31/23 10:00	1.0	82	-29.1	63.6	369.7	1.0	M	102.3
3/31/23 11:00	1.2	74	-28.8	64.1	351.2	1.0	M	102.3
3/31/23 12:00	1.5	124	-26.8	68.6	497.8	1.0	M	102.3
3/31/23 13:00	1.8	101	-26.1	67.3	476.4	1.0	M	102.3
3/31/23 14:00	1.9	112	-24.9	69.9	486.7	1.0	M	102.4
3/31/23 15:00	1.5	121	-24.1	70.7	432.0	1.0	M	102.4
3/31/23 16:00	1.3	124	-23.7	72.8	349.5	1.0	M	102.4
3/31/23 17:00	1.4	114	-23.7	74.9	241.2	1.0	M	102.3
3/31/23 18:00	0.9	91	-23.7	68.9	134.2	1.0	M	102.4
3/31/23 19:00	0.7	83	-25.6	72.0	39.9	0.0	M	102.4
3/31/23 20:00	0.8	83	-27.6	77.3	2.3	0.0	M	102.4
3/31/23 21:00	0.8	78	-28.3	77.6	0.0	0.0	M	102.4
3/31/23 22:00	0.4	84	-29.2	77.2	0.0	0.0	M	102.4
3/31/23 23:00	0.4	70	-30.1	75.8	0.0	0.0	M	102.4
4/1/23 0:00	0.3	87	-30.8	75.3	0.0	0.0	M	102.4
4/1/23 1:00	0.5	61	-31.2	75.2	0.0	0.0	M	102.4
4/1/23 2:00	0.2	83	-31.4	74.7	0.0	0.0	M	102.4
4/1/23 3:00	0.2	86	-32.3	73.6	0.0	0.0	M	102.4
4/1/23 4:00	0.2	83	-32.4	73.7	0.0	0.0	M	102.4
4/1/23 5:00	0.1	110	-32.5	73.3	0.2	0.0	M	102.5
4/1/23 6:00	0.6	75	-33.0	72.8	8.9	0.0	M	102.5
4/1/23 7:00	1.1	89	-32.0	73.8	74.7	0.0	M	102.5
4/1/23 8:00	1.2	98	-30.9	73.9	159.9	1.0	M	102.5
4/1/23 9:00	1.4	113	-29.9	74.5	241.0	1.0	M	102.5
4/1/23 10:00	0.9	117	-28.6	75.8	240.5	1.0	M	102.5
4/1/23 11:00	1.2	93	-27.5	75.5	348.2	1.0	M	102.5
4/1/23 12:00	1.1	107	-25.4	73.6	459.1	1.0	M	102.5
4/1/23 13:00	1.3	77	-24.8	72.1	408.1	1.0	M	102.5
4/1/23 14:00	2.7	74	-24.1	73.7	447.3	1.0	M	102.5
4/1/23 15:00	2.7	87	-23.9	76.2	350.8	1.0	M	102.5
4/1/23 16:00	2.9	94	-23.6	77.5	293.3	1.0	M	102.5
4/1/23 17:00	3.0	88	-24.0	78.3	208.4	1.0	M	102.5
4/1/23 18:00	3.1	77	-25.0	79.0	82.9	0.0	M	102.4
4/1/23 19:00	3.4	76	-25.8	80.0	38.3	0.0	M	102.5
4/1/23 20:00	2.1	118	-26.3	79.9	2.5	0.0	M	102.5
4/1/23 21:00	1.7	113	-27.3	78.3	0.0	0.0	M	102.5
4/1/23 22:00	2.1	108	-26.9	79.0	0.0	0.0	M	102.5
4/1/23 23:00	1.7	109	-27.1	78.6	0.0	0.0	M	102.5
4/2/23 0:00	1.1	118	-27.5	78.0	0.0	0.0	M	102.4

4/2/23 1:00	0.9	105	-28.6	77.0	0.0	0.0	M	102.4
4/2/23 2:00	1.1	120	-29.3	76.1	0.0	0.0	M	102.4
4/2/23 3:00	1.2	107	-29.9	75.7	0.0	0.0	M	102.4
4/2/23 4:00	1.7	84	-30.5	75.1	0.0	0.0	M	102.4
4/2/23 5:00	1.5	81	-31.1	74.5	0.3	0.0	M	102.5
4/2/23 6:00	1.2	105	-31.0	74.6	12.7	0.0	M	102.4
4/2/23 7:00	0.9	92	-30.0	75.9	64.2	0.0	M	102.4
4/2/23 8:00	1.1	116	-30.3	75.3	134.7	1.0	M	102.4
4/2/23 9:00	1.2	116	-29.9	75.7	182.9	1.0	M	102.4
4/2/23 10:00	1.0	118	-28.6	77.0	236.3	1.0	M	102.4
4/2/23 11:00	2.7	96	-27.0	77.4	295.1	1.0	M	102.4
4/2/23 12:00	4.3	76	-26.2	78.8	376.5	1.0	M	102.4
4/2/23 13:00	4.5	85	-24.5	78.8	363.5	1.0	M	102.3
4/2/23 14:00	4.0	97	-22.8	77.6	308.2	1.0	M	102.4
4/2/23 15:00	4.7	93	-22.7	76.0	274.8	1.0	M	102.3
4/2/23 16:00	4.7	89	-23.4	75.3	239.0	1.0	M	102.3
4/2/23 17:00	5.0	91	-24.5	75.7	135.4	1.0	M	102.3
4/2/23 18:00	5.2	107	-24.2	79.0	77.5	0.0	M	102.3
4/2/23 19:00	3.3	125	-26.1	77.6	39.9	0.0	M	102.3
4/2/23 20:00	3.7	120	-27.0	78.8	1.7	0.0	M	102.3
4/2/23 21:00	3.4	120	-27.8	77.8	0.0	0.0	M	102.3
4/2/23 22:00	3.1	133	-28.9	76.6	0.0	0.0	M	102.3
4/2/23 23:00	3.1	118	-28.3	77.7	0.0	0.0	M	102.3
4/3/23 0:00	2.2	108	-29.5	75.6	0.0	0.0	M	102.3
4/3/23 1:00	2.2	100	-30.8	74.7	0.0	0.0	M	102.2
4/3/23 2:00	2.1	91	-31.0	74.6	0.0	0.0	M	102.3
4/3/23 3:00	1.7	121	-31.1	74.4	0.0	0.0	M	102.2
4/3/23 4:00	3.0	98	-30.6	75.2	0.0	0.0	M	102.2
4/3/23 5:00	3.3	78	-31.4	74.2	0.3	0.0	M	102.2
4/3/23 6:00	2.2	100	-30.8	74.5	13.1	0.0	M	102.2
4/3/23 7:00	2.6	85	-30.4	73.8	23.7	0.0	M	102.2
4/3/23 8:00	2.7	86	-29.7	73.6	43.4	0.0	M	102.2
4/3/23 9:00	2.2	92	-28.0	75.3	82.4	0.0	M	102.2
4/3/23 10:00	3.5	113	-26.2	77.1	119.1	0.0	M	102.2
4/3/23 11:00	3.4	112	-23.6	77.0	182.3	1.0	M	102.2
4/3/23 12:00	4.4	121	-22.8	75.4	250.8	1.0	M	102.2
4/3/23 13:00	4.6	113	-21.9	74.3	320.9	1.0	M	102.2
4/3/23 14:00	4.6	111	-22.0	73.1	383.5	1.0	M	102.2
4/3/23 15:00	3.3	107	-20.1	73.6	400.2	1.0	M	102.1
4/3/23 16:00	3.3	115	-19.9	73.5	375.6	1.0	M	102.1
4/3/23 17:00	3.9	84	-23.0	74.3	176.9	1.0	M	102.1
4/3/23 18:00	3.9	97	-24.2	76.0	121.8	1.0	M	102.1
4/3/23 19:00	2.8	83	-25.8	76.2	44.4	0.0	M	102.1
4/3/23 20:00	2.7	124	-26.3	78.2	2.7	0.0	M	102.0
4/3/23 21:00	2.4	107	-27.6	77.4	0.0	0.0	M	102.0
4/3/23 22:00	2.6	121	-27.5	78.3	0.0	0.0	M	102.0
4/3/23 23:00	2.9	112	-26.8	79.0	0.0	0.0	M	101.9
4/4/23 0:00	1.7	113	-28.1	77.5	0.0	0.0	M	101.9
4/4/23 1:00	1.2	115	-28.4	76.8	0.0	0.0	M	101.9
4/4/23 2:00	1.1	110	-28.3	77.3	0.0	0.0	M	101.9
4/4/23 3:00	1.0	104	-27.9	77.4	0.0	0.0	M	101.8
4/4/23 4:00	1.2	117	-27.4	78.3	0.0	0.0	M	101.8
4/4/23 5:00	1.1	124	-27.3	78.0	0.5	0.0	M	101.8
4/4/23 6:00	1.0	112	-27.8	77.4	15.1	0.0	M	101.8
4/4/23 7:00	0.8	121	-27.6	77.1	53.4	0.0	M	101.7
4/4/23 8:00	0.6	105	-25.5	77.4	106.0	0.0	M	101.7
4/4/23 9:00	3.0	114	-23.6	79.6	116.1	0.0	M	101.7
4/4/23 10:00	4.3	100	-23.4	78.6	118.1	0.0	M	101.6
4/4/23 11:00	4.0	102	-21.4	76.7	198.3	1.0	M	101.6
4/4/23 12:00	4.4	107	-20.0	76.4	248.0	1.0	M	101.6
4/4/23 13:00	4.5	102	-19.5	76.8	298.4	1.0	M	101.6
4/4/23 14:00	4.1	107	-17.9	75.0	366.5	1.0	M	101.5
4/4/23 15:00	3.8	94	-18.7	73.1	390.2	1.0	M	101.5
4/4/23 16:00	3.2	85	-18.8	71.6	401.4	1.0	M	101.5
4/4/23 17:00	2.0	99	-17.8	72.5	347.3	1.0	M	101.5
4/4/23 18:00	1.7	73	-18.1	68.5	245.9	1.0	M	101.5
4/4/23 19:00	1.4	61	-21.9	71.9	73.3	0.0	M	101.5
4/4/23 20:00	1.6	56	-24.3	76.6	4.8	0.0	M	101.5
4/4/23 21:00	1.0	50	-25.3	77.6	0.0	0.0	M	101.5
4/4/23 22:00	1.0	49	-26.3	77.4	0.0	0.0	M	101.5
4/4/23 23:00	0.8	65	-27.5	76.9	0.0	0.0	M	101.5
4/5/23 0:00	0.3	79	-28.2	76.8	0.0	0.0	M	101.4
4/5/23 1:00	0.2	86	-28.7	76.4	0.0	0.0	M	101.4
4/5/23 2:00	0.5	68	-29.0	76.8	0.0	0.0	M	101.4
4/5/23 3:00	0.5	65	-29.0	76.7	0.0	0.0	M	101.4
4/5/23 4:00	0.9	52	-29.1	77.0	0.0	0.0	M	101.4
4/5/23 5:00	0.9	70	-28.0	78.2	0.6	0.0	M	101.4
4/5/23 6:00	1.0	46	-26.6	78.5	10.9	0.0	M	101.3
4/5/23 7:00	0.6	56	-24.4	78.2	38.5	0.0	M	101.3
4/5/23 8:00	0.8	54	-21.5	76.9	116.9	0.0	M	101.3
4/5/23 9:00	0.6	65	-19.7	76.3	143.1	1.0	M	101.3
4/5/23 10:00	0.7	60	-15.8	74.5	196.3	1.0	M	101.3
4/5/23 11:00	0.6	74	-13.7	73.0	255.0	1.0	M	101.2

4/5/23 12:00	0.8	92	-11.2	72.5	368.2	1.0	M	101.2
4/5/23 13:00	2.1	140	-9.3	71.8	478.1	1.0	M	101.2
4/5/23 14:00	4.7	188	-9.4	68.8	434.7	1.0	M	101.2
4/5/23 15:00	4.5	202	-8.3	65.4	388.7	1.0	M	101.2
4/5/23 16:00	7.1	204	-8.1	65.4	290.8	1.0	M	101.1
4/5/23 17:00	7.4	198	-8.6	65.9	242.0	1.0	M	101.1
4/5/23 18:00	5.7	162	-11.0	73.3	166.0	1.0	M	101.1
4/5/23 19:00	5.3	164	-12.0	75.0	64.4	0.0	M	101.1
4/5/23 20:00	2.4	133	-14.1	77.9	4.7	0.0	M	101.1
4/5/23 21:00	1.4	131	-15.0	79.5	0.0	0.0	M	101.0
4/5/23 22:00	1.5	120	-17.2	81.7	0.0	0.0	M	101.0
4/5/23 23:00	2.2	137	-17.8	82.8	0.0	0.0	M	101.0
4/6/23 0:00	1.3	124	-18.2	83.4	0.0	0.0	M	101.0
4/6/23 1:00	0.4	108	-18.9	83.5	0.0	0.0	M	101.0
4/6/23 2:00	0.3	81	-19.2	84.6	0.0	0.0	M	100.9
4/6/23 3:00	0.5	36	-19.2	84.9	0.0	0.0	M	100.9
4/6/23 4:00	0.6	57	-18.3	85.2	0.0	0.0	M	100.9
4/6/23 5:00	0.6	52	-17.6	85.3	2.8	0.0	M	100.9
4/6/23 6:00	0.7	51	-17.0	85.3	30.2	0.0	M	100.9
4/6/23 7:00	0.7	64	-16.6	83.4	82.5	0.0	M	100.9
4/6/23 8:00	0.7	58	-15.4	78.8	147.5	1.0	M	100.9
4/6/23 9:00	0.8	61	-14.3	75.5	261.8	1.0	M	100.8
4/6/23 10:00	0.7	63	-12.3	71.4	340.7	1.0	M	100.8
4/6/23 11:00	1.3	64	-12.5	71.8	410.0	1.0	M	100.8
4/6/23 12:00	2.3	64	-12.5	74.5	496.3	1.0	M	100.8
4/6/23 13:00	3.3	50	-12.8	77.7	485.8	1.0	M	100.7
4/6/23 14:00	4.4	61	-13.4	78.8	503.8	1.0	M	100.7
4/6/23 15:00	4.8	72	-14.8	79.5	411.1	1.0	M	100.7
4/6/23 16:00	4.6	76	-15.8	80.1	344.1	1.0	M	100.7
4/6/23 17:00	3.7	74	-16.2	80.2	239.9	1.0	M	100.7
4/6/23 18:00	3.6	77	-16.9	80.8	153.9	1.0	M	100.7
4/6/23 19:00	3.2	88	-17.6	83.4	47.9	0.0	M	100.7
4/6/23 20:00	3.6	75	-18.7	84.3	5.0	0.0	M	100.7
4/6/23 21:00	3.7	75	-19.3	84.5	0.0	0.0	M	100.7
4/6/23 22:00	4.0	82	-19.8	85.0	0.0	0.0	M	100.6
4/6/23 23:00	4.1	100	-19.7	86.4	0.0	0.0	M	100.6
4/7/23 0:00	4.9	101	-19.9	85.8	0.0	0.0	M	100.6
4/7/23 1:00	5.5	98	-20.2	85.4	0.0	0.0	M	100.6
4/7/23 2:00	4.5	97	-20.8	84.5	0.0	0.0	M	100.6
4/7/23 3:00	4.3	91	-21.3	84.1	0.0	0.0	M	100.5
4/7/23 4:00	4.9	100	-20.7	84.6	0.0	0.0	M	100.5
4/7/23 5:00	3.1	89	-21.7	83.8	1.4	0.0	M	100.5
4/7/23 6:00	3.7	100	-21.1	84.4	18.6	0.0	M	100.5
4/7/23 7:00	3.0	108	-20.1	85.3	79.6	0.0	M	100.4
4/7/23 8:00	4.0	106	-18.7	85.9	105.5	0.0	M	100.4
4/7/23 9:00	3.4	84	-17.7	86.1	204.2	1.0	M	100.4
4/7/23 10:00	5.5	84	-17.6	86.0	227.9	1.0	M	100.3
4/7/23 11:00	9.6	75	-17.2	85.4	317.4	1.0	M	100.2
4/7/23 12:00	8.4	77	-15.7	84.7	416.2	1.0	M	100.2
4/7/23 13:00	8.1	83	-14.8	83.1	492.9	1.0	M	100.2
4/7/23 14:00	7.8	82	-14.3	83.1	430.6	1.0	M	100.2
4/7/23 15:00	7.3	85	-13.7	83.0	392.9	1.0	M	100.1
4/7/23 16:00	8.4	88	-14.5	86.4	165.2	1.0	M	100.1
4/7/23 17:00	10.1	91	-13.8	88.2	146.5	1.0	M	100.0
4/7/23 18:00	9.5	88	-13.9	89.0	80.6	0.0	M	99.9
4/7/23 19:00	7.2	96	-13.3	90.0	29.0	0.0	M	99.8
4/7/23 20:00	8.2	88	-13.2	90.5	3.8	0.0	M	99.8
4/7/23 21:00	6.9	88	-12.7	91.1	0.0	0.0	M	99.7
4/7/23 22:00	8.6	94	-12.1	91.7	0.0	0.0	M	99.6
4/7/23 23:00	9.7	91	-11.6	92.1	0.0	0.0	M	99.5
4/8/23 0:00	11.0	85	-11.5	91.9	0.0	0.0	M	99.4
4/8/23 1:00	10.9	98	-11.5	92.1	0.0	0.0	M	99.3
4/8/23 2:00	10.5	89	-11.6	91.7	0.0	0.0	M	99.2
4/8/23 3:00	9.8	89	-11.2	91.8	0.0	0.0	M	99.1
4/8/23 4:00	10.8	94	-10.8	92.1	0.0	0.0	M	99.0
4/8/23 5:00	10.1	93	-10.1	92.2	0.9	0.0	M	98.9
4/8/23 6:00	10.2	87	-9.7	91.6	16.0	0.0	M	98.8
4/8/23 7:00	9.3	89	-9.0	91.6	47.4	0.0	M	98.7
4/8/23 8:00	7.9	86	-8.6	91.3	107.2	0.0	M	98.7
4/8/23 9:00	8.4	86	-8.2	90.5	164.9	1.0	M	98.6
4/8/23 10:00	8.0	90	-7.7	90.2	259.3	1.0	M	98.5
4/8/23 11:00	5.7	94	-6.7	89.7	287.9	1.0	M	98.5
4/8/23 12:00	3.4	79	-6.1	88.5	291.4	1.0	M	98.5
4/8/23 13:00	2.3	74	-5.6	86.8	325.5	1.0	M	98.5
4/8/23 14:00	0.5	129	-3.9	81.2	264.9	1.0	M	98.5
4/8/23 15:00	4.6	248	-5.3	87.0	170.0	1.0	M	98.5
4/8/23 16:00	7.8	258	-6.8	91.9	142.8	1.0	M	98.4
4/8/23 17:00	8.1	267	-6.9	92.8	122.0	1.0	M	98.5
4/8/23 18:00	7.9	276	-8.0	92.3	43.6	0.0	M	98.5
4/8/23 19:00	8.3	272	-9.2	92.0	38.2	0.0	M	98.5
4/8/23 20:00	6.4	278	-9.9	92.5	5.7	0.0	M	98.6
4/8/23 21:00	4.2	301	-10.4	92.1	0.1	0.0	M	98.6
4/8/23 22:00	6.4	319	-11.1	91.1	0.0	0.0	M	98.7

4/8/23 23:00	7.3	320	-12.5	89.3	0.0	0.0	M	98.8
4/9/23 0:00	7.2	319	-13.2	86.9	0.0	0.0	M	98.9
4/9/23 1:00	8.2	321	-13.5	85.1	0.0	0.0	M	99.0
4/9/23 2:00	8.3	326	-14.2	84.7	0.0	0.0	M	99.0
4/9/23 3:00	8.0	326	-14.6	83.9	0.0	0.0	M	99.2
4/9/23 4:00	7.1	333	-14.8	83.0	0.0	0.0	M	99.3
4/9/23 5:00	6.6	322	-15.0	83.3	2.2	0.0	M	99.4
4/9/23 6:00	6.2	327	-14.9	84.2	21.2	0.0	M	99.5
4/9/23 7:00	7.9	335	-14.9	84.7	74.7	0.0	M	99.5
4/9/23 8:00	6.8	334	-15.4	84.0	121.4	1.0	M	99.7
4/9/23 9:00	7.4	328	-15.3	83.3	237.3	1.0	M	99.7
4/9/23 10:00	8.1	349	-14.8	82.0	299.2	1.0	M	99.7
4/9/23 11:00	9.9	351	-15.0	82.0	305.7	1.0	M	99.9
4/9/23 12:00	4.8	314	-14.9	77.8	520.5	1.0	M	100.0
4/9/23 13:00	6.4	305	-15.6	78.1	528.1	1.0	M	100.1
4/9/23 14:00	7.6	311	-16.2	79.8	501.3	1.0	M	100.2
4/9/23 15:00	7.1	326	-16.0	80.3	436.7	1.0	M	100.2
4/9/23 16:00	8.3	323	-16.2	80.9	324.9	1.0	M	100.2
4/9/23 17:00	7.2	330	-16.4	80.0	183.6	1.0	M	100.3
4/9/23 18:00	6.5	316	-16.4	79.7	125.1	1.0	M	100.3
4/9/23 19:00	3.8	284	-16.8	79.3	76.2	0.0	M	100.4
4/9/23 20:00	2.8	290	-17.4	80.9	9.8	0.0	M	100.4
4/9/23 21:00	2.0	313	-18.1	80.6	0.2	0.0	M	100.4
4/9/23 22:00	1.6	348	-18.8	81.6	0.0	0.0	M	100.5
4/9/23 23:00	0.6	236	-19.5	82.7	0.0	0.0	M	100.6
4/10/23 0:00	0.6	87	-20.3	83.8	0.0	0.0	M	100.6
4/10/23 1:00	0.5	132	-20.8	83.9	0.0	0.0	M	100.6
4/10/23 2:00	0.6	86	-22.5	83.4	0.0	0.0	M	100.6
4/10/23 3:00	0.4	96	-23.2	83.1	0.0	0.0	M	100.6
4/10/23 4:00	0.4	133	-23.4	82.9	0.0	0.0	M	100.6
4/10/23 5:00	0.8	121	-24.5	81.6	5.9	0.0	M	100.6
4/10/23 6:00	1.0	114	-23.6	81.4	54.1	0.0	M	100.6
4/10/23 7:00	1.2	103	-23.3	80.2	111.9	0.0	M	100.7
4/10/23 8:00	1.3	100	-21.9	77.0	197.0	1.0	M	100.6
4/10/23 9:00	1.4	112	-20.9	75.6	294.1	1.0	M	100.6
4/10/23 10:00	2.2	130	-19.9	80.0	423.5	1.0	M	100.6
4/10/23 11:00	1.9	131	-19.1	76.4	492.2	1.0	M	100.6
4/10/23 12:00	1.9	100	-18.5	73.0	512.5	1.0	M	100.6
4/10/23 13:00	2.6	95	-17.7	72.8	526.8	1.0	M	100.6
4/10/23 14:00	2.2	122	-16.1	76.4	510.7	1.0	M	100.6
4/10/23 15:00	2.6	115	-15.9	76.3	459.9	1.0	M	100.6
4/10/23 16:00	2.5	97	-15.9	76.8	386.6	1.0	M	100.7
4/10/23 17:00	1.8	124	-16.0	75.5	294.3	1.0	M	100.7
4/10/23 18:00	1.6	113	-16.5	77.1	191.8	1.0	M	100.7
4/10/23 19:00	2.1	81	-17.9	77.4	93.8	0.0	M	100.7
4/10/23 20:00	2.5	87	-19.7	78.4	15.4	0.0	M	100.7
4/10/23 21:00	2.5	119	-20.2	82.5	0.4	0.0	M	100.8
4/10/23 22:00	1.8	128	-21.8	83.9	0.0	0.0	M	100.8
4/10/23 23:00	1.5	116	-22.9	82.8	0.0	0.0	M	100.8
4/11/23 0:00	0.6	147	-23.7	82.0	0.0	0.0	M	100.8
4/11/23 1:00	0.6	109	-24.4	81.3	0.0	0.0	M	100.8
4/11/23 2:00	0.9	107	-25.3	80.5	0.0	0.0	M	100.8
4/11/23 3:00	0.8	115	-25.6	81.0	0.0	0.0	M	100.8
4/11/23 4:00	1.0	91	-25.1	81.3	0.0	0.0	M	100.8
4/11/23 5:00	1.2	106	-24.1	82.3	3.5	0.0	M	100.9
4/11/23 6:00	1.7	123	-23.3	82.5	41.6	0.0	M	100.9
4/11/23 7:00	1.8	132	-22.9	82.5	82.2	0.0	M	100.9
4/11/23 8:00	1.9	137	-22.4	83.2	129.4	1.0	M	100.9
4/11/23 9:00	2.5	129	-20.1	85.8	255.8	1.0	M	100.9
4/11/23 10:00	2.8	136	-18.2	87.2	377.2	1.0	M	100.9
4/11/23 11:00	2.8	133	-16.0	87.7	447.9	1.0	M	100.9
4/11/23 12:00	3.7	137	-16.0	82.2	527.2	1.0	M	100.9
4/11/23 13:00	4.4	142	-15.5	82.4	532.7	1.0	M	100.9
4/11/23 14:00	4.3	140	-14.6	80.8	484.4	1.0	M	100.9
4/11/23 15:00	4.1	121	-13.4	83.2	462.8	1.0	M	100.9
4/11/23 16:00	4.7	125	-14.1	82.1	408.4	1.0	M	100.9
4/11/23 17:00	4.6	135	-14.3	79.7	301.3	1.0	M	100.9
4/11/23 18:00	3.3	127	-14.5	84.9	167.5	1.0	M	100.9
4/11/23 19:00	3.5	136	-16.1	83.8	81.5	0.0	M	100.9
4/11/23 20:00	2.6	143	-17.2	85.1	15.9	0.0	M	100.9
4/11/23 21:00	1.8	148	-18.1	85.9	0.4	0.0	M	100.9
4/11/23 22:00	2.4	138	-19.0	86.5	0.0	0.0	M	100.9
4/11/23 23:00	3.3	145	-19.9	85.1	0.0	0.0	M	100.9
4/12/23 0:00	1.1	115	-20.1	85.2	0.0	0.0	M	100.9
4/12/23 1:00	1.3	133	-20.5	85.3	0.0	0.0	M	100.8
4/12/23 2:00	1.1	100	-20.7	84.9	0.0	0.0	M	100.8
4/12/23 3:00	2.2	133	-21.0	84.7	0.0	0.0	M	100.8
4/12/23 4:00	2.7	131	-21.4	84.0	0.0	0.0	M	100.8
4/12/23 5:00	0.9	64	-21.4	83.5	5.2	0.0	M	100.8
4/12/23 6:00	1.5	127	-20.8	83.9	38.7	0.0	M	100.8
4/12/23 7:00	1.8	117	-20.3	82.6	87.0	0.0	M	100.8
4/12/23 8:00	2.2	96	-18.6	79.0	184.9	1.0	M	100.8
4/12/23 9:00	4.3	146	-17.9	81.2	320.9	1.0	M	100.8

4/12/23 10:00	3.8	138	-16.0	84.6	433.4	1.0	M	100.8
4/12/23 11:00	1.8	145	-12.6	83.0	499.8	1.0	M	100.8
4/12/23 12:00	2.4	144	-11.6	79.9	526.4	1.0	M	100.8
4/12/23 13:00	3.9	150	-11.3	79.6	531.6	1.0	M	100.9
4/12/23 14:00	4.2	152	-11.0	79.8	514.9	1.0	M	100.8
4/12/23 15:00	4.4	154	-10.7	80.2	466.4	1.0	M	100.9
4/12/23 16:00	3.7	154	-10.8	80.6	393.5	1.0	M	100.9
4/12/23 17:00	3.8	163	-11.3	81.7	298.6	1.0	M	100.9
4/12/23 18:00	2.9	235	-11.5	81.1	192.2	1.0	M	100.9
4/12/23 19:00	1.0	296	-12.3	79.9	95.3	0.0	M	100.9
4/12/23 20:00	0.3	94	-14.6	84.4	18.9	0.0	M	100.9
4/12/23 21:00	0.1	54	-15.9	88.0	0.6	0.0	M	101.0
4/12/23 22:00	0.1	47	-17.5	87.8	0.0	0.0	M	101.0
4/12/23 23:00	0.2	179	-18.6	87.3	0.0	0.0	M	101.0
4/13/23 0:00	0.3	64	-20.3	85.2	0.0	0.0	M	101.1
4/13/23 1:00	0.2	131	-20.2	85.6	0.0	0.0	M	101.1
4/13/23 2:00	0.1	76	-19.5	86.0	0.0	0.0	M	101.1
4/13/23 3:00	0.3	120	-18.5	86.9	0.0	0.0	M	101.1
4/13/23 4:00	0.3	50	-17.8	87.3	0.0	0.0	M	101.2
4/13/23 5:00	0.3	46	-17.1	87.8	4.6	0.0	M	101.2
4/13/23 6:00	0.2	60	-16.4	88.3	39.5	0.0	M	101.2
4/13/23 7:00	0.2	90	-15.2	88.9	77.2	0.0	M	101.2
4/13/23 8:00	0.1	60	-13.8	89.5	132.7	1.0	M	101.3
4/13/23 9:00	0.3	80	-12.3	86.2	252.8	1.0	M	101.3
4/13/23 10:00	0.6	104	-12.1	82.4	250.0	1.0	M	101.3
4/13/23 11:00	0.5	110	-10.9	76.0	342.1	1.0	M	101.4
4/13/23 12:00	0.7	103	-10.9	76.2	375.1	1.0	M	101.4
4/13/23 13:00	0.9	111	-10.7	78.2	377.2	1.0	M	101.4
4/13/23 14:00	1.0	106	-10.2	80.8	385.7	1.0	M	101.4
4/13/23 15:00	0.6	157	-8.6	79.3	340.9	1.0	M	101.5
4/13/23 16:00	2.5	284	-10.1	83.1	267.7	1.0	M	101.5
4/13/23 17:00	2.6	275	-10.5	85.9	178.6	1.0	M	101.6
4/13/23 18:00	1.9	270	-10.7	86.1	109.0	0.0	M	101.6
4/13/23 19:00	2.2	265	-11.4	87.5	84.5	0.0	M	101.6
4/13/23 20:00	2.6	256	-13.6	91.0	20.0	0.0	M	101.7
4/13/23 21:00	2.4	267	-14.8	90.5	1.1	0.0	M	101.7
4/13/23 22:00	2.3	265	-14.6	90.6	0.0	0.0	M	101.8
4/13/23 23:00	1.1	280	-14.2	90.4	0.0	0.0	M	101.8
4/14/23 0:00	1.0	275	-14.2	90.2	0.0	0.0	M	101.9
4/14/23 1:00	1.8	276	-14.6	90.0	0.0	0.0	M	101.9
4/14/23 2:00	2.1	273	-15.3	89.4	0.0	0.0	M	102.0
4/14/23 3:00	1.0	238	-16.2	88.7	0.0	0.0	M	102.0
4/14/23 4:00	0.7	270	-17.0	87.8	0.1	0.0	M	102.1
4/14/23 5:00	0.7	265	-18.3	86.8	5.9	0.0	M	102.1
4/14/23 6:00	0.6	271	-18.5	86.7	31.7	0.0	M	102.2
4/14/23 7:00	0.4	272	-17.0	88.2	84.0	0.0	M	102.2
4/14/23 8:00	M	M	-15.6	88.6	167.7	1.0	M	102.2
4/14/23 9:00	0.2	239	-15.2	87.8	236.1	1.0	M	102.3
4/14/23 10:00	1.7	248	-15.1	86.0	300.0	1.0	M	102.3
4/14/23 11:00	1.9	256	-16.3	84.0	366.8	1.0	M	102.4
4/14/23 12:00	1.7	275	-15.1	83.2	382.0	1.0	M	102.4
4/14/23 13:00	1.9	266	-14.9	80.9	447.8	1.0	M	102.4
4/14/23 14:00	2.1	286	-14.4	80.8	476.2	1.0	M	102.4
4/14/23 15:00	0.9	81	-14.5	82.3	462.4	1.0	M	102.4
4/14/23 16:00	1.0	79	-14.6	81.4	372.5	1.0	M	102.5
4/14/23 17:00	1.1	95	-14.8	82.2	270.4	1.0	M	102.5
4/14/23 18:00	1.5	111	-15.3	84.3	169.0	1.0	M	102.5
4/14/23 19:00	1.2	133	-16.3	86.2	83.3	0.0	M	102.5
4/14/23 20:00	1.3	120	-18.0	86.5	18.6	0.0	M	102.5
4/14/23 21:00	1.0	97	-18.8	86.4	1.2	0.0	M	102.6
4/14/23 22:00	0.8	91	-19.4	85.9	0.0	0.0	M	102.6
4/14/23 23:00	1.3	112	-19.7	86.1	0.0	0.0	M	102.6
4/15/23 0:00	1.1	103	-20.4	85.5	0.0	0.0	M	102.6
4/15/23 1:00	1.1	96	-21.0	84.9	0.0	0.0	M	102.6
4/15/23 2:00	1.8	60	-21.8	84.3	0.0	0.0	M	102.6
4/15/23 3:00	1.5	57	-22.3	83.7	0.0	0.0	M	102.6
4/15/23 4:00	1.3	70	-22.8	83.1	0.2	0.0	M	102.6
4/15/23 5:00	1.2	78	-23.2	82.7	7.6	0.0	M	102.6
4/15/23 6:00	1.6	89	-22.7	83.1	48.6	0.0	M	102.6
4/15/23 7:00	1.7	87	-22.1	83.0	118.9	0.0	M	102.6
4/15/23 8:00	2.3	104	-21.1	83.3	223.0	1.0	M	102.6
4/15/23 9:00	2.6	109	-19.7	83.0	328.3	1.0	M	102.6
4/15/23 10:00	2.6	109	-18.8	82.5	413.1	1.0	M	102.5
4/15/23 11:00	2.4	107	-16.9	81.3	537.7	1.0	M	102.5
4/15/23 12:00	2.8	118	-15.5	80.6	583.9	1.0	M	102.5
4/15/23 13:00	3.5	117	-14.0	80.5	566.1	1.0	M	102.5
4/15/23 14:00	2.7	118	-13.0	77.1	535.9	1.0	M	102.5
4/15/23 15:00	2.8	119	-11.4	76.3	490.2	1.0	M	102.5
4/15/23 16:00	3.4	133	-11.1	74.7	403.7	1.0	M	102.5
4/15/23 17:00	3.7	138	-11.7	73.2	330.2	1.0	M	102.4
4/15/23 18:00	3.7	139	-12.9	75.3	170.7	1.0	M	102.4
4/15/23 19:00	4.1	137	-14.2	78.2	105.6	0.0	M	102.4
4/15/23 20:00	4.8	142	-15.6	80.4	28.8	0.0	M	102.3

4/15/23 21:00	3.7	143	-16.1	81.8	1.4	0.0	M	102.3
4/15/23 22:00	2.0	125	-16.7	82.4	0.0	0.0	M	102.2
4/15/23 23:00	2.3	128	-17.3	83.7	0.0	0.0	M	102.2
4/16/23 0:00	2.2	122	-17.0	85.0	0.0	0.0	M	102.2
4/16/23 1:00	1.9	99	-16.5	82.8	0.0	0.0	M	102.2
4/16/23 2:00	3.1	68	-15.3	84.2	0.0	0.0	M	102.2
4/16/23 3:00	2.4	88	-13.6	87.1	0.0	0.0	M	102.1
4/16/23 4:00	3.2	132	-11.5	91.1	0.2	0.0	M	102.1
4/16/23 5:00	3.7	143	-11.6	89.8	12.6	0.0	M	102.1
4/16/23 6:00	3.8	145	-11.0	89.4	45.7	0.0	M	102.0
4/16/23 7:00	3.5	142	-10.7	89.3	81.2	0.0	M	102.0
4/16/23 8:00	3.6	138	-10.4	86.4	243.6	1.0	M	101.9
4/16/23 9:00	3.4	146	-9.1	85.2	319.7	1.0	M	101.9
4/16/23 10:00	2.6	143	-7.5	83.9	325.0	1.0	M	101.9
4/16/23 11:00	5.1	159	-6.3	84.6	406.0	1.0	M	101.9
4/16/23 12:00	4.8	156	-4.7	83.7	438.1	1.0	M	101.9
4/16/23 13:00	9.5	166	-4.7	83.9	423.7	1.0	M	101.8
4/16/23 14:00	8.1	159	-4.6	83.3	603.7	1.0	M	101.8
4/16/23 15:00	4.0	143	-4.0	81.9	558.9	1.0	M	101.8
4/16/23 16:00	2.4	120	-3.9	80.8	416.1	1.0	M	101.8
4/16/23 17:00	5.1	143	-5.8	84.7	310.3	1.0	M	101.8
4/16/23 18:00	3.8	133	-6.6	85.9	187.2	1.0	M	101.8
4/16/23 19:00	1.4	85	-7.3	85.9	93.8	0.0	M	101.8
4/16/23 20:00	1.9	117	-8.5	88.4	24.5	0.0	M	101.7
4/16/23 21:00	2.0	145	-9.6	90.5	1.8	0.0	M	101.7
4/16/23 22:00	2.6	131	-10.3	90.5	0.0	0.0	M	101.7
4/16/23 23:00	1.5	121	-11.1	90.5	0.0	0.0	M	101.6
4/17/23 0:00	0.8	72	-11.2	89.4	0.0	0.0	M	101.6
4/17/23 1:00	0.7	83	-10.4	88.6	0.0	0.0	M	101.6
4/17/23 2:00	1.7	121	-9.9	88.9	0.0	0.0	M	101.6
4/17/23 3:00	2.1	108	-9.9	89.6	0.0	0.0	M	101.6
4/17/23 4:00	1.2	127	-10.0	89.5	0.5	0.0	M	101.6
4/17/23 5:00	2.2	144	-10.1	89.4	10.7	0.0	M	101.6
4/17/23 6:00	2.5	147	-9.3	87.9	46.4	0.0	M	101.6
4/17/23 7:00	2.6	131	-8.9	84.8	168.1	1.0	M	101.6
4/17/23 8:00	4.9	146	-8.4	84.5	220.1	1.0	M	101.6
4/17/23 9:00	2.7	130	-6.7	79.5	375.2	1.0	M	101.6
4/17/23 10:00	1.6	124	-4.7	74.2	451.4	1.0	M	101.5
4/17/23 11:00	3.9	147	-5.2	78.0	535.7	1.0	M	101.6
4/17/23 12:00	4.0	151	-4.4	76.9	556.0	1.0	M	101.6
4/17/23 13:00	4.5	168	-3.5	75.4	563.5	1.0	M	101.6
4/17/23 14:00	5.3	155	-3.4	77.0	539.8	1.0	M	101.6
4/17/23 15:00	5.0	169	-3.0	76.3	488.6	1.0	M	101.6
4/17/23 16:00	5.1	179	-2.7	76.7	417.1	1.0	M	101.6
4/17/23 17:00	4.3	161	-3.1	79.6	325.5	1.0	M	101.6
4/17/23 18:00	4.1	156	-4.6	83.2	221.3	1.0	M	101.6
4/17/23 19:00	3.3	137	-6.1	86.8	104.2	0.0	M	101.6
4/17/23 20:00	1.9	120	-6.5	88.4	34.4	0.0	M	101.6
4/17/23 21:00	2.0	126	-7.1	88.4	2.6	0.0	M	101.6
4/17/23 22:00	3.8	145	-7.6	86.5	0.0	0.0	M	101.6
4/17/23 23:00	2.1	112	-8.4	87.1	0.0	0.0	M	101.6
4/18/23 0:00	3.8	139	-9.1	87.0	0.0	0.0	M	101.6
4/18/23 1:00	2.4	119	-9.7	87.0	0.0	0.0	M	101.6
4/18/23 2:00	3.6	142	-9.0	85.6	0.0	0.0	M	101.7
4/18/23 3:00	1.7	128	-9.3	86.9	0.0	0.0	M	101.7
4/18/23 4:00	1.4	141	-7.9	86.1	0.7	0.0	M	101.7
4/18/23 5:00	0.8	124	-7.4	83.7	11.4	0.0	M	101.8
4/18/23 6:00	0.6	110	-6.3	82.1	37.9	0.0	M	101.8
4/18/23 7:00	7.0	257	-4.5	78.4	105.5	0.0	M	101.8
4/18/23 8:00	8.0	261	-4.8	80.8	242.3	1.0	M	101.8
4/18/23 9:00	9.0	258	-6.2	85.3	298.7	1.0	M	101.8
4/18/23 10:00	9.4	253	-7.2	87.0	419.1	1.0	M	101.8
4/18/23 11:00	9.3	261	-7.1	87.0	361.7	1.0	M	102.0
4/18/23 12:00	9.4	258	-7.5	88.8	534.3	1.0	M	102.0
4/18/23 13:00	9.7	260	-7.4	89.6	500.8	1.0	M	102.0
4/18/23 14:00	10.8	266	-7.2	89.3	504.1	1.0	M	102.1
4/18/23 15:00	9.8	273	-7.2	89.4	492.5	1.0	M	102.2
4/18/23 16:00	9.7	276	-7.0	88.6	405.8	1.0	M	102.3
4/18/23 17:00	8.1	285	-6.9	88.0	209.1	1.0	M	102.3
4/18/23 18:00	7.4	283	-7.1	90.3	114.6	0.0	M	102.4
4/18/23 19:00	6.0	278	-7.1	91.7	55.3	0.0	M	102.4
4/18/23 20:00	5.2	278	-7.1	92.8	16.0	0.0	M	102.5
4/18/23 21:00	5.7	287	-7.0	92.3	1.6	0.0	M	102.6
4/18/23 22:00	4.8	310	-7.2	88.8	0.0	0.0	M	102.6
4/18/23 23:00	6.1	321	-7.7	84.0	0.0	0.0	M	102.7
4/19/23 0:00	3.6	335	-8.2	85.1	0.0	0.0	M	102.7
4/19/23 1:00	3.0	317	-8.5	86.0	0.0	0.0	M	102.8
4/19/23 2:00	2.3	327	-8.9	87.8	0.0	0.0	M	102.8
4/19/23 3:00	2.1	3	-9.2	86.0	0.0	0.0	M	102.9
4/19/23 4:00	1.8	8	-9.7	86.7	0.9	0.0	M	103.0
4/19/23 5:00	1.9	32	-9.8	86.6	8.7	0.0	M	103.0
4/19/23 6:00	1.8	43	-9.6	85.1	38.7	0.0	M	103.0
4/19/23 7:00	1.5	36	-9.3	83.6	94.0	0.0	M	103.1

4/19/23 8:00	1.1	40	-8.8	81.9	169.6	1.0	M	103.1
4/19/23 9:00	2.9	40	-8.9	82.6	252.9	1.0	M	103.1
4/19/23 10:00	3.4	61	-9.5	85.7	334.9	1.0	M	103.1
4/19/23 11:00	1.8	77	-8.9	83.5	393.8	1.0	M	103.2
4/19/23 12:00	1.8	78	-8.3	81.3	445.3	1.0	M	103.2
4/19/23 13:00	2.5	106	-7.8	84.0	452.5	1.0	M	103.2
4/19/23 14:00	3.2	134	-7.9	85.4	385.3	1.0	M	103.2
4/19/23 15:00	3.5	133	-7.7	85.5	376.6	1.0	M	103.1
4/19/23 16:00	3.5	141	-7.6	87.3	301.8	1.0	M	103.1
4/19/23 17:00	3.7	141	-7.6	87.7	257.0	1.0	M	103.1
4/19/23 18:00	3.9	143	-7.9	88.4	195.8	1.0	M	103.1
4/19/23 19:00	4.4	127	-8.2	91.0	133.3	1.0	M	103.1
4/19/23 20:00	3.5	134	-9.6	92.8	49.1	0.0	M	103.0
4/19/23 21:00	4.5	131	-10.5	93.1	4.6	0.0	M	103.1
4/19/23 22:00	3.7	137	-11.5	92.4	0.0	0.0	M	103.0
4/19/23 23:00	2.2	135	-12.3	92.0	0.0	0.0	M	103.0
4/20/23 0:00	2.1	121	-13.1	91.5	0.0	0.0	M	103.0
4/20/23 1:00	1.6	127	-13.7	91.4	0.0	0.0	M	102.9
4/20/23 2:00	1.2	105	-14.2	90.6	0.0	0.0	M	102.9
4/20/23 3:00	0.8	90	-14.0	90.6	0.0	0.0	M	102.9
4/20/23 4:00	0.5	58	-14.9	90.0	1.6	0.0	M	102.8
4/20/23 5:00	0.4	66	-14.8	89.5	24.9	0.0	M	102.8
4/20/23 6:00	0.1	111	-12.5	87.8	87.4	0.0	M	102.8
4/20/23 7:00	0.1	85	-10.4	80.1	149.8	1.0	M	102.7
4/20/23 8:00	0.3	65	-9.8	69.2	230.6	1.0	M	102.7
4/20/23 9:00	0.2	95	-8.0	62.8	375.6	1.0	M	102.7
4/20/23 10:00	0.3	103	-6.8	59.0	481.5	1.0	M	102.7
4/20/23 11:00	0.4	126	-4.7	57.2	547.5	1.0	M	102.7
4/20/23 12:00	0.3	146	-3.2	57.2	584.0	1.0	M	102.7
4/20/23 13:00	0.4	141	-1.8	58.3	589.6	1.0	M	102.6
4/20/23 14:00	0.4	156	-1.5	62.6	563.4	1.0	M	102.6
4/20/23 15:00	1.3	221	0.7	56.9	511.3	1.0	M	102.6
4/20/23 16:00	3.6	245	-0.3	57.7	434.8	1.0	M	102.6
4/20/23 17:00	5.4	246	-0.6	61.4	339.4	1.0	M	102.5
4/20/23 18:00	4.3	241	-1.1	64.6	235.9	1.0	M	102.5
4/20/23 19:00	3.1	212	-1.2	63.7	137.7	1.0	M	102.5
4/20/23 20:00	3.2	221	-2.7	71.1	57.3	0.0	M	102.5
4/20/23 21:00	8.7	262	-3.4	78.3	4.8	0.0	M	102.4
4/20/23 22:00	11.8	266	-5.8	88.5	0.0	0.0	M	102.4
4/20/23 23:00	10.3	272	-7.4	93.3	0.0	0.0	M	102.5
4/21/23 0:00	8.3	269	-8.7	93.6	0.0	0.0	M	102.6
4/21/23 1:00	9.5	271	-9.6	92.3	0.0	0.0	M	102.6
4/21/23 2:00	8.5	271	-10.1	91.6	0.0	0.0	M	102.6
4/21/23 3:00	7.4	279	-10.4	91.0	0.0	0.0	M	102.7
4/21/23 4:00	5.5	284	-10.2	90.4	1.8	0.0	M	102.7
4/21/23 5:00	4.1	282	-9.8	91.0	12.9	0.0	M	102.7
4/21/23 6:00	2.7	289	-9.4	90.1	52.0	0.0	M	102.8
4/21/23 7:00	2.6	286	-9.0	89.1	110.0	0.0	M	102.8
4/21/23 8:00	2.1	304	-8.6	87.6	156.2	1.0	M	102.8
4/21/23 9:00	1.7	4	-8.3	85.8	239.7	1.0	M	102.8
4/21/23 10:00	1.9	41	-7.9	83.8	344.0	1.0	M	102.8
4/21/23 11:00	3.3	79	-7.9	81.6	402.4	1.0	M	102.7
4/21/23 12:00	4.1	79	-8.0	83.2	382.4	1.0	M	102.7
4/21/23 13:00	5.2	87	-8.3	86.1	380.5	1.0	M	102.7
4/21/23 14:00	6.0	83	-9.3	86.7	402.7	1.0	M	102.7
4/21/23 15:00	6.6	81	-10.4	86.8	330.5	1.0	M	102.7
4/21/23 16:00	7.0	78	-10.9	87.2	290.4	1.0	M	102.6
4/21/23 17:00	7.2	81	-11.1	87.7	203.0	1.0	M	102.6
4/21/23 18:00	8.7	85	-11.5	89.5	116.5	0.0	M	102.6
4/21/23 19:00	8.0	84	-11.8	88.8	80.5	0.0	M	102.5
4/21/23 20:00	8.7	87	-12.0	90.4	24.1	0.0	M	102.5
4/21/23 21:00	8.9	80	-12.9	88.8	3.3	0.0	M	102.5
4/21/23 22:00	9.2	79	-13.3	88.7	0.0	0.0	M	102.4
4/21/23 23:00	10.9	80	-13.4	88.6	0.0	0.0	M	102.3
4/22/23 0:00	10.8	84	-13.4	89.8	0.0	0.0	M	102.2
4/22/23 1:00	11.7	87	-13.3	91.1	0.0	0.0	M	102.2
4/22/23 2:00	10.3	86	-13.3	91.4	0.0	0.0	M	102.1
4/22/23 3:00	11.1	84	-13.0	91.6	0.0	0.0	M	102.1
4/22/23 4:00	10.2	87	-12.5	91.9	1.5	0.0	M	102.1
4/22/23 5:00	9.5	85	-12.3	91.9	17.8	0.0	M	102.0
4/22/23 6:00	8.9	84	-12.3	91.0	79.9	0.0	M	102.0
4/22/23 7:00	9.0	77	-12.7	89.2	114.4	0.0	M	101.9
4/22/23 8:00	9.3	78	-12.2	88.1	251.5	1.0	M	101.8
4/22/23 9:00	8.9	78	-11.7	87.2	349.2	1.0	M	101.8
4/22/23 10:00	9.3	76	-11.4	87.2	348.1	1.0	M	101.8
4/22/23 11:00	9.2	73	-10.7	86.3	507.2	1.0	M	101.7
4/22/23 12:00	9.1	68	-10.2	86.7	458.6	1.0	M	101.7
4/22/23 13:00	8.6	67	-9.8	87.4	391.5	1.0	M	101.7
4/22/23 14:00	8.2	67	-9.7	88.6	355.5	1.0	M	101.6
4/22/23 15:00	7.9	65	-9.7	88.5	334.8	1.0	M	101.6
4/22/23 16:00	7.1	61	-9.6	87.9	294.6	1.0	M	101.6
4/22/23 17:00	6.0	59	-9.2	87.8	240.2	1.0	M	101.7
4/22/23 18:00	4.7	54	-9.2	88.0	137.2	1.0	M	101.7

4/22/23 19:00	4.5	35	-9.7	88.5	71.8	0.0	M	101.7
4/22/23 20:00	4.7	24	-10.3	89.9	28.8	0.0	M	101.7
4/22/23 21:00	4.9	16	-11.4	89.8	3.5	0.0	M	101.7
4/22/23 22:00	3.8	12	-12.0	88.6	0.0	0.0	M	101.8
4/22/23 23:00	3.7	11	-12.7	88.3	0.0	0.0	M	101.8
4/23/23 0:00	3.4	0	-13.3	88.0	0.0	0.0	M	101.8
4/23/23 1:00	3.1	305	-13.6	87.1	0.0	0.0	M	101.8
4/23/23 2:00	4.2	307	-14.7	87.3	0.0	0.0	M	101.9
4/23/23 3:00	5.1	296	-15.2	86.9	0.0	0.0	M	101.9
4/23/23 4:00	4.8	297	-15.6	86.9	1.9	0.0	M	102.0
4/23/23 5:00	5.4	296	-16.5	85.5	21.6	0.0	M	102.0
4/23/23 6:00	6.7	293	-17.1	83.6	96.8	0.0	M	102.1
4/23/23 7:00	9.3	286	-17.5	82.9	138.9	1.0	M	102.1
4/23/23 8:00	9.4	286	-17.6	81.1	231.1	1.0	M	102.2
4/23/23 9:00	8.0	295	-17.7	78.3	438.6	1.0	M	102.2
4/23/23 10:00	8.4	296	-18.1	78.0	453.5	1.0	M	102.3
4/23/23 11:00	7.9	300	-18.0	77.4	483.1	1.0	M	102.4
4/23/23 12:00	7.3	303	-18.1	76.0	527.2	1.0	M	102.5
4/23/23 13:00	6.8	299	-18.0	75.1	585.4	1.0	M	102.5
4/23/23 14:00	7.4	293	-18.1	75.6	583.3	1.0	M	102.5
4/23/23 15:00	7.8	291	-18.4	75.9	522.3	1.0	M	102.6
4/23/23 16:00	7.9	297	-18.8	76.5	444.7	1.0	M	102.7
4/23/23 17:00	6.3	304	-19.1	76.1	353.1	1.0	M	102.8
4/23/23 18:00	5.6	302	-19.3	76.2	232.7	1.0	M	102.8
4/23/23 19:00	4.8	310	-19.8	77.5	135.2	1.0	M	102.8
4/23/23 20:00	4.5	310	-20.5	78.8	42.0	0.0	M	102.8
4/23/23 21:00	4.8	315	-21.0	79.5	7.9	0.0	M	102.9
4/23/23 22:00	3.2	307	-21.2	78.9	0.2	0.0	M	102.9
4/23/23 23:00	3.2	299	-21.4	79.2	0.0	0.0	M	102.9
4/24/23 0:00	1.7	315	-21.5	78.8	0.0	0.0	M	103.0
4/24/23 1:00	1.3	327	-21.4	78.3	0.0	0.0	M	103.0
4/24/23 2:00	1.1	344	-21.5	78.7	0.0	0.0	M	103.0
4/24/23 3:00	1.2	18	-21.3	78.2	0.0	0.0	M	103.0
4/24/23 4:00	1.3	42	-21.2	78.5	3.1	0.0	M	103.0
4/24/23 5:00	1.8	77	-21.0	76.7	26.4	0.0	M	103.0
4/24/23 6:00	1.9	79	-21.0	76.2	74.6	0.0	M	103.0
4/24/23 7:00	2.0	84	-20.7	75.1	182.8	1.0	M	103.0
4/24/23 8:00	1.8	95	-20.0	74.6	262.2	1.0	M	103.0
4/24/23 9:00	2.2	84	-19.6	71.0	401.9	1.0	M	103.0
4/24/23 10:00	2.9	79	-19.5	70.7	560.6	1.0	M	103.0
4/24/23 11:00	3.5	79	-19.3	71.7	603.1	1.0	M	103.0
4/24/23 12:00	3.8	81	-19.1	74.7	504.4	1.0	M	103.0
4/24/23 13:00	4.4	89	-18.6	78.9	514.8	1.0	M	102.9
4/24/23 14:00	4.7	90	-18.3	80.5	451.6	1.0	M	102.9
4/24/23 15:00	4.7	84	-18.3	79.1	372.7	1.0	M	102.9
4/24/23 16:00	5.3	88	-17.8	81.3	325.2	1.0	M	102.8
4/24/23 17:00	5.7	92	-17.3	84.8	243.6	1.0	M	102.8
4/24/23 18:00	6.2	93	-17.3	86.6	163.4	1.0	M	102.7
4/24/23 19:00	6.5	103	-17.1	87.4	110.6	0.0	M	102.7
4/24/23 20:00	6.2	110	-17.4	86.8	45.2	0.0	M	102.6
4/24/23 21:00	5.7	111	-17.3	87.2	11.7	0.0	M	102.6
4/24/23 22:00	4.8	106	-16.8	88.4	0.4	0.0	M	102.5
4/24/23 23:00	5.8	105	-16.7	88.4	0.0	0.0	M	102.4
4/25/23 0:00	5.0	95	-16.7	88.3	0.0	0.0	M	102.4
4/25/23 1:00	5.3	98	-16.1	89.0	0.0	0.0	M	102.3
4/25/23 2:00	5.4	108	-15.6	89.1	0.0	0.0	M	102.2
4/25/23 3:00	6.4	111	-15.3	89.5	0.0	0.0	M	102.1
4/25/23 4:00	7.2	108	-14.9	89.8	3.2	0.0	M	102.1
4/25/23 5:00	6.8	100	-14.2	90.3	24.0	0.0	M	102.0
4/25/23 6:00	6.6	102	-13.7	90.7	72.0	0.0	M	102.0
4/25/23 7:00	5.0	94	-12.8	91.4	123.6	1.0	M	101.9
4/25/23 8:00	5.2	86	-12.3	91.9	227.4	1.0	M	101.8
4/25/23 9:00	4.3	87	-11.1	93.1	255.2	1.0	M	101.8
4/25/23 10:00	4.5	80	-10.1	93.6	344.1	1.0	M	101.8
4/25/23 11:00	4.4	102	-8.2	92.4	420.7	1.0	M	101.8
4/25/23 12:00	4.3	90	-8.0	88.5	410.4	1.0	M	101.8
4/25/23 13:00	4.5	79	-7.8	86.8	444.6	1.0	M	101.8
4/25/23 14:00	4.7	72	-7.6	85.3	457.2	1.0	M	101.8
4/25/23 15:00	4.9	71	-7.9	85.3	386.9	1.0	M	101.7
4/25/23 16:00	5.1	68	-7.6	84.8	377.3	1.0	M	101.7
4/25/23 17:00	4.8	67	-7.6	87.6	239.2	1.0	M	101.7
4/25/23 18:00	5.1	60	-7.7	90.3	167.0	1.0	M	101.6
4/25/23 19:00	5.3	52	-8.4	92.1	65.5	0.0	M	101.7
4/25/23 20:00	3.2	37	-9.0	92.2	30.3	0.0	M	101.7
4/25/23 21:00	4.9	41	-9.7	92.1	6.2	0.0	M	101.7
4/25/23 22:00	5.0	44	-10.2	91.9	0.3	0.0	M	101.7
4/25/23 23:00	4.5	41	-10.5	91.8	0.0	0.0	M	101.6
4/26/23 0:00	2.3	55	-10.6	91.8	0.0	0.0	M	101.6
4/26/23 1:00	2.9	60	-10.4	92.0	0.0	0.0	M	101.6
4/26/23 2:00	1.6	47	-10.5	92.1	0.0	0.0	M	101.6
4/26/23 3:00	1.7	55	-10.7	92.3	0.1	0.0	M	101.6
4/26/23 4:00	1.6	65	-11.5	92.4	4.9	0.0	M	101.5
4/26/23 5:00	1.6	51	-11.8	91.8	53.0	0.0	M	101.5

4/26/23 6:00	1.9	91	-11.6	90.1	93.5	0.0	M	101.5
4/26/23 7:00	2.5	117	-10.5	90.9	174.9	1.0	M	101.5
4/26/23 8:00	2.5	121	-9.9	86.8	248.2	1.0	M	101.4
4/26/23 9:00	2.3	123	-8.9	83.6	342.4	1.0	M	101.4
4/26/23 10:00	3.3	133	-8.1	82.6	364.2	1.0	M	101.4
4/26/23 11:00	2.9	129	-6.2	80.8	504.9	1.0	M	101.4
4/26/23 12:00	4.2	133	-4.7	78.5	703.3	1.0	M	101.4
4/26/23 13:00	5.3	135	-4.2	79.5	655.9	1.0	M	101.4
4/26/23 14:00	6.2	143	-4.0	80.9	610.8	1.0	M	101.4
4/26/23 15:00	6.4	146	-4.5	83.3	408.5	1.0	M	101.4
4/26/23 16:00	6.3	143	-4.2	85.1	321.5	1.0	M	101.4
4/26/23 17:00	5.3	142	-4.0	84.8	372.3	1.0	M	101.4
4/26/23 18:00	5.2	138	-4.8	86.1	230.3	1.0	M	101.3
4/26/23 19:00	2.6	130	-5.1	86.5	151.8	1.0	M	101.4
4/26/23 20:00	6.1	148	-6.4	89.0	36.0	0.0	M	101.3
4/26/23 21:00	6.6	155	-6.9	89.3	8.7	0.0	M	101.3
4/26/23 22:00	6.9	149	-7.2	89.0	0.6	0.0	M	101.3
4/26/23 23:00	7.1	147	-7.9	89.1	0.0	0.0	M	101.3
4/27/23 0:00	7.3	151	-8.6	88.8	0.0	0.0	M	101.3
4/27/23 1:00	6.9	160	-9.0	88.3	0.0	0.0	M	101.4
4/27/23 2:00	3.0	126	-9.8	90.0	0.0	0.0	M	101.4
4/27/23 3:00	3.1	130	-10.0	90.3	0.2	0.0	M	101.4
4/27/23 4:00	1.9	117	-10.9	89.9	7.0	0.0	M	101.4
4/27/23 5:00	3.2	127	-11.0	89.5	43.0	0.0	M	101.4
4/27/23 6:00	3.8	120	-10.1	85.5	143.3	1.0	M	101.3
4/27/23 7:00	4.5	114	-9.1	84.4	250.9	1.0	M	101.3
4/27/23 8:00	4.2	128	-7.9	84.4	240.1	1.0	M	101.3
4/27/23 9:00	7.0	146	-7.4	83.3	389.3	1.0	M	101.3
4/27/23 10:00	7.2	134	-6.6	83.0	484.2	1.0	M	101.3
4/27/23 11:00	5.9	127	-5.7	83.8	398.7	1.0	M	101.3
4/27/23 12:00	7.0	129	-3.8	84.2	545.8	1.0	M	101.2
4/27/23 13:00	7.2	140	-2.7	83.3	649.7	1.0	M	101.2
4/27/23 14:00	6.6	142	-2.2	82.6	573.9	1.0	M	101.2
4/27/23 15:00	7.0	153	-2.1	81.9	552.6	1.0	M	101.1
4/27/23 16:00	7.5	144	-3.0	85.0	342.6	1.0	M	101.1
4/27/23 17:00	7.1	144	-3.1	90.1	297.0	1.0	M	101.1
4/27/23 18:00	6.9	140	-3.2	89.8	232.5	1.0	M	101.0
4/27/23 19:00	5.2	127	-4.2	89.8	161.8	1.0	M	101.0
4/27/23 20:00	4.7	126	-4.8	93.3	49.0	0.0	M	101.0
4/27/23 21:00	7.2	138	-5.4	91.1	9.3	0.0	M	100.9
4/27/23 22:00	5.9	123	-5.5	90.7	0.8	0.0	M	100.9
4/27/23 23:00	5.5	129	-6.0	90.7	0.0	0.0	M	100.8
4/28/23 0:00	4.3	128	-5.8	90.7	0.0	0.0	M	100.8
4/28/23 1:00	4.0	111	-5.9	90.4	0.0	0.0	M	100.8
4/28/23 2:00	4.6	86	-6.3	90.9	0.0	0.0	M	100.8
4/28/23 3:00	5.3	85	-6.6	91.8	0.4	0.0	M	100.8
4/28/23 4:00	4.1	76	-7.7	90.2	7.1	0.0	M	100.8
4/28/23 5:00	5.2	93	-8.6	89.2	57.5	0.0	M	100.8
4/28/23 6:00	4.9	98	-9.7	87.0	137.8	1.0	M	100.8
4/28/23 7:00	5.0	107	-8.9	86.7	205.5	1.0	M	100.8
4/28/23 8:00	4.7	85	-8.8	84.0	317.2	1.0	M	100.8
4/28/23 9:00	4.3	82	-8.3	83.4	386.0	1.0	M	100.8
4/28/23 10:00	5.0	97	-7.4	84.9	455.0	1.0	M	100.9
4/28/23 11:00	5.5	93	-6.7	84.0	565.7	1.0	M	100.8
4/28/23 12:00	5.7	99	-6.0	84.7	614.5	1.0	M	100.9
4/28/23 13:00	7.0	101	-5.6	85.2	625.6	1.0	M	100.9
4/28/23 14:00	6.6	103	-5.2	85.4	594.6	1.0	M	100.9
4/28/23 15:00	5.5	103	-4.4	85.4	555.0	1.0	M	101.0
4/28/23 16:00	6.0	103	-4.4	85.7	481.3	1.0	M	101.0
4/28/23 17:00	5.9	100	-4.6	87.7	339.7	1.0	M	101.0
4/28/23 18:00	4.6	111	-5.0	87.8	246.0	1.0	M	101.1
4/28/23 19:00	2.0	131	-5.9	87.4	150.8	1.0	M	101.1
4/28/23 20:00	1.7	119	-6.9	89.1	53.3	0.0	M	101.2
4/28/23 21:00	2.6	92	-8.3	91.2	16.0	0.0	M	101.2
4/28/23 22:00	2.1	53	-9.5	91.9	1.4	0.0	M	101.2
4/28/23 23:00	1.3	63	-10.9	93.0	0.0	0.0	M	101.2
4/29/23 0:00	0.3	113	-11.4	92.9	0.0	0.0	M	101.3
4/29/23 1:00	0.2	130	-12.0	92.4	0.0	0.0	M	101.3
4/29/23 2:00	0.2	74	-12.8	91.6	0.0	0.0	M	101.4
4/29/23 3:00	0.1	79	-12.9	91.6	0.5	0.0	M	101.4
4/29/23 4:00	0.2	82	-12.4	91.9	17.4	0.0	M	101.4
4/29/23 5:00	0.1	93	-11.0	92.9	43.7	0.0	M	101.5
4/29/23 6:00	0.2	84	-10.0	93.5	84.5	0.0	M	101.5
4/29/23 7:00	2.1	297	-8.2	94.0	173.2	1.0	M	101.6
4/29/23 8:00	7.1	279	-7.0	93.3	209.1	1.0	M	101.6
4/29/23 9:00	8.1	278	-6.4	92.7	305.3	1.0	M	101.6
4/29/23 10:00	10.6	279	-5.8	91.3	357.0	1.0	M	101.5
4/29/23 11:00	10.3	278	-5.3	89.4	466.3	1.0	M	101.6
4/29/23 12:00	9.2	278	-4.5	87.1	535.6	1.0	M	101.6
4/29/23 13:00	9.3	273	-4.3	85.7	540.1	1.0	M	101.6
4/29/23 14:00	8.9	274	-4.2	85.1	583.0	1.0	M	101.6
4/29/23 15:00	8.4	276	-4.6	87.0	366.8	1.0	M	101.7
4/29/23 16:00	8.5	277	-4.8	88.5	287.7	1.0	M	101.7

4/29/23 17:00	8.0	277	-4.7	89.3	219.9	1.0	M	101.7
4/29/23 18:00	7.5	278	-4.8	89.9	174.9	1.0	M	101.7
4/29/23 19:00	7.0	273	-5.3	91.4	102.6	0.0	M	101.7
4/29/23 20:00	6.8	271	-5.8	91.3	42.8	0.0	M	101.7
4/29/23 21:00	5.9	267	-6.3	91.6	9.9	0.0	M	101.7
4/29/23 22:00	6.3	258	-6.7	93.8	1.3	0.0	M	101.6
4/29/23 23:00	7.3	254	-6.8	95.8	0.0	0.0	M	101.6
4/30/23 0:00	7.6	257	-7.3	94.8	0.0	0.0	M	101.6
4/30/23 1:00	7.1	260	-7.6	94.8	0.0	0.0	M	101.6
4/30/23 2:00	7.1	265	-7.8	95.0	0.0	0.0	M	101.6
4/30/23 3:00	5.6	268	-8.3	94.6	0.3	0.0	M	101.7
4/30/23 4:00	5.3	268	-8.7	94.7	5.7	0.0	M	101.7
4/30/23 5:00	5.7	267	-9.0	93.8	28.0	0.0	M	101.7
4/30/23 6:00	6.1	264	-9.0	92.4	73.1	0.0	M	101.7
4/30/23 7:00	6.2	263	-9.0	91.4	140.9	1.0	M	101.7
4/30/23 8:00	6.6	265	-8.8	90.6	221.8	1.0	M	101.7
4/30/23 9:00	6.3	275	-8.8	90.2	299.2	1.0	M	101.7
4/30/23 10:00	5.9	277	-8.4	88.4	470.7	1.0	M	101.7
4/30/23 11:00	6.1	277	-7.8	87.7	638.7	1.0	M	101.7
4/30/23 12:00	5.7	278	-7.5	88.2	594.3	1.0	M	101.7
4/30/23 13:00	5.5	280	-7.1	88.3	550.4	1.0	M	101.8
4/30/23 14:00	5.8	278	-6.8	87.7	527.8	1.0	M	101.8
4/30/23 15:00	6.3	272	-6.8	88.9	425.2	1.0	M	101.8
4/30/23 16:00	5.3	273	-6.7	88.6	398.3	1.0	M	101.8
4/30/23 17:00	4.4	272	-6.7	88.3	294.7	1.0	M	101.8
4/30/23 18:00	4.0	274	-6.9	87.9	186.2	1.0	M	101.8
4/30/23 19:00	3.3	277	-7.0	89.0	96.3	0.0	M	101.8
4/30/23 20:00	2.7	280	-7.1	90.4	44.2	0.0	M	101.8
4/30/23 21:00	2.4	281	-7.3	90.8	12.4	0.0	M	101.8
4/30/23 22:00	2.0	249	-7.4	90.1	1.6	0.0	M	101.8
4/30/23 23:00	1.3	247	-7.5	89.1	0.0	0.0	M	101.8