

ANNEX Y TO
MARS CORRECT: CRITIQUE OFF ALL NASA MARS WEATHER DATA
MSL Year 4 Spring Weather Data (LS 180 to 270, Sols 2,060 to 2204)

This Annex reveals all Mars Science Laboratory (MSL) weather data for MSL's Mars Year 3 autumn. It shows what was published by the Rover Environmental Monitoring Station (REMS) Team and JPL. It also reveals what the Roffman Team sees as weather anomalies, and how the REMS Team and JPL altered their data after we color-highlighted what was off the expected temperature and pressure curves. Note: Some sources refer to the first year that MSL was on Mars as Year 0. For those using that system sols 2,260 to 2,204 are Year 3.

On Table 1 column subjects and color codings are as follows (Note: JPL calls the first year of MSL on Mars "Year 0," the second year Year 1, the third year "Year 2" and the fourth year "Year 3."

Column A (Sol). The Martian day is about 39 minutes longer than the terrestrial day.

Column B is solar longitude (Ls). MSL is in the Southern Hemisphere on Mars. The landing was at Ls 150 (winter). Ls 180 begins the spring. Ls 270 starts summer, Ls 0 starts the fall. Ls 90 starts the winter.

Column C shows the pressure reported by the REMS Team.

Column D shows the date on Earth.

Column E shows the maximum air temperature. With respect to the freezing point, from 0° C at 1 atm pressure it will increase up to 0.01° C at 0.006 atm (which is about the average pressure on Mars as given by NASA). This is the triple point of water. At pressures below this, water will never be liquid. It will change directly between solid and gas phase (sublimation). The temperature for this phase change, the sublimation point, will decrease as the pressure is further decreased

Column F shows minimum air temperature.

Column G shows the air temperature range for each sol. On Earth temperatures can vary by 40 °C in deserts. In column G where the range is 59 °C or less yellow background coloring points that out. The National Park Service claims **the world record in a diurnal temperature variation is 102 °F (57 °C)** (from 46 °F (8 °C) to -56 °F (-49 °C)) in [Browning, Montana](#) (elevation 4,377 feet/1,334 meters) on January 23 to 24, 1916. **There were 2 days in Montana where the temperature changed by 57 °C.**

Column H shows temperature range divided by 40. This allows us to compare terrestrial deserts with Gale Crater, Mars. How much cooling occurs at night is related to the density of the atmosphere. Here we see the ratio of cooling on a Mars sol to the typical 40 °C cooling figure for Earth's deserts shown with a green background when that ratio is under 1.5. For MSL Year 1 when we altered the divisor from 40 °C to 57 °C then 88 of the ratios were altered to 1 or less than 1, meaning that Martian air pressure is indeed likely much higher than NASA claims.

Column I shows maximum ground temp. As with terrestrial deserts, the ground on Mars heats more during the day than the air does, and it cools more at night than the air does. In Column K when the maximum ground temperature is given by REMS is above 0°C it is shown with a red background.

Column J shows the minimum ground temperature. When it is -90 °C or colder the background is in purple. **The ground temperatures are not very precise.** The requirement was to measure ground brightness temperature over the range from 150 to 300 K with [a resolution of 2 K and an accuracy of 10 K](#).

Column K. Drop in ground temperature from day to night.

Column L shows the increase in temperature from the mast 1.5 meters above the ground down to the ground during the daylight hours. In column N anytime there is an increase in temperature of 11 °C or more this is indicated with a dark blue background.

Column M shows the decrease in temperature from the ground to the air at nights. If the data were valid we would expect similar heating or cooling to occur over the set distance from ground to boom. A quick survey of the data immediately shows that this was not found. In column L we see a variation in heating between 0 °C and at least 15 °C with a 54 °C anomaly on Sol 1,070. For nighttime cooling any variation from 11°C to 19°C is shown with a medium blue background. More than that is shown with a dark blue background.

Column N shows the pressure for the same Ls in MSL Year 1.

Column O shows the absolute value of the change in pressure in Pascals from the same Ls in the previous year (Column [M] - [C]).

Column P shows the original pressure for the same Ls in MSL Year 1 before JPL revised their data.

Column Q shows the Ls during Year 1.

Column R shows the UV for the sol in Year 2.

Column S shows the UV for the sol in Year 1. All sols in MSL Year 1 and Year 2 have opacity listed as "sunny" which seems dubious.

Column T shows comments, if any

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U |
|------|-----|-------------|------------|-----------------|-----------------|-------------------------------------|----------------------------------|----------------------------------|---|---|---|---|----------------------------|--|------------|---------------------------------|-------|-------|---------------------------------------|----------------------------------|
| SOL | ~LS | PRESSURE Pa | EARTH DATE | MAX AIR TEMP °C | MIN AIR TEMP °C | AIR TEMP RANGE °C, YELLOW IF <60 °C | AIR TEMP RANGE °C, GREEN IF <1.5 | MAX GROUND TEMP °C, RED IF > 0°C | MIN GROUND TEMP °C, PURPLE IF -90°C OR COLDER | Δ GROUND TEMP DAY TO NIGHT, YELLOW = -80 TO -89, RED = -90 OR COLDER DROP | DAYTIME CHANGE IN TEMP °C AIR TO GROUND | NIGHTTIME CHANGE IN TEMP °C AIR TO GROUND | PRESSURE AT SAME LS IN MSL | Δ PRESSURE YEAR 3 TO YEAR 2 SAME LS, YELLOW = > 7 Pa | ~LS year 2 | PRESSURE YEAR 1 BEFORE REVISION | UV YR | UV YR | (MSL YEAR 2 SOL FOR THIS LS)/COMMENTS | MSL Altitude meters below areoid |
| 2060 | 180 | 743 | 5/23/2018 | 4 | -73 | 77 | 1.925 | 15 | -79 | -94 | 11 | -6 | N/A | N/A | 180 | N/A | H | N/A | (1392) | -4,192 |
| 2061 | 180 | 745 | 5/24/2018 | 5 | -72 | 77 | 1.925 | 15 | -81 | -96 | 10 | -9 | N/A | N/A | 181 | N/A | H | N/A | (1393) | -4,192 |
| 2062 | 181 | 745 | 5/25/2018 | 2 | -72 | 74 | 1.85 | 17 | -80 | -97 | 15 | -8 | N/A | N/A | 181 | N/A | VH | N/A | (1394) | -4,192 |
| 2063 | 182 | 748 | 5/26/2018 | 3 | -71 | 74 | 1.85 | 15 | -80 | -95 | 12 | -9 | N/A | N/A | 182 | N/A | VH | N/A | (1395) | -4,192 |
| 2064 | 182 | 748 | 5/27/2018 | 4 | -71 | 74 | 1.85 | 18 | -78 | -96 | 14 | -7 | N/A | N/A | 182 | N/A | VH | N/A | (1396) | -4,192 |
| 2065 | 183 | 750 | 5/28/2018 | 2 | -71 | 73 | 1.825 | 16 | -81 | -97 | 14 | -10 | N/A | N/A | 183 | N/A | VH | N/A | (1397) | -4,192 |
| 2066 | 183 | 751 | 5/29/2018 | 2 | -72 | 74 | 1.85 | 16 | -85 | -101 | 14 | -13 | 751 | 0 | 184 | N/A | VH | H | (1398) | -4,192 |
| 2067 | 184 | 750 | 5/30/2018 | 3 | -74 | 77 | 1.925 | 16 | -80 | -96 | 13 | -6 | 770 | -20 | 184 | N/A | VH | H | (1399) | -4,192 |
| 2068 | 185 | 752 | 5/31/2018 | 4 | -69 | 73 | 1.825 | 16 | -78 | -94 | 12 | -9 | 770 | -18 | 185 | N/A | VH | H | (1400) | -4,192 |
| 2069 | 185 | 756 | 6/1/2018 | 4 | -71 | 75 | 1.875 | 16 | -84 | -100 | 12 | -13 | 770 | -14 | 185 | N/A | H | H | (1401) | -4,192 |
| 2070 | 186 | 757 | 6/2/2018 | 3 | -70 | 73 | 1.825 | 16 | -79 | -95 | 13 | -9 | 771 | -14 | 186 | N/A | VH | H | (1402) | -4,192 |
| 2071 | 186 | 755 | 6/4/2018 | 4 | -71 | 75 | 1.875 | 17 | -79 | -96 | 13 | -8 | 775 | -20 | 187 | N/A | VH | VH | (1403) | -4,192 |
| 2072 | 187 | 758 | 6/5/2018 | 6 | -71 | 77 | 1.925 | 17 | -80 | -97 | 11 | -9 | 774 | -16 | 187 | N/A | VH | H | (1404) | -4,192 |

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U |
|-----|-----|-------------|------------|-----------------|-----------------|-------------------------------------|---------------------------------|-----------------------------------|---|--|---|---|----------------------------|--|------------|---------------------------------|-------|-------|---------------------------------------|----------------------------------|
| SOL | ~LS | PRESSURE Pa | EARTH DATE | MAX AIR TEMP °C | MIN AIR TEMP °C | AIR TEMP RANGE °C, YELLOW IF <60 °C | AIR TEMP RANGE °C, RED IF > 0°C | MAX GROUND TEMP °C, GREEN IF <1.5 | MIN GROUND TEMP °C, PURPLE IF -90°C OR COLDER | Δ GROUND TEMP DAY TO NIGHT, YELLOW = -80 TO -89, RED = -90 OR COLDER | DAYTIME CHANGE IN TEMP °C AIR TO GROUND | NIGHTTIME CHANGE IN TEMP °C AIR TO GROUND | PRESSURE AT SAME LS IN MSL | Δ PRESSURE YEAR 3 TO YEAR 2 SAME LS, YELLOW = > 7 Pa | ~LS year 2 | PRESSURE YEAR 1 BEFORE REVISION | UV YR | UV YR | (MSL YEAR 2 SOL FOR THIS LS)/COMMENTS | MSL Altitude meters below areoid |

| | | | | | | | | | | | | | | | | | | | | |
|------|-----|-----|------------|-----|-----|----|-------|----|-----|-----|----|-----|-----|-----|-----|-----|----|----|--------|--------|
| 2073 | 187 | 756 | 6/6/2018 | 7 | -74 | 81 | 2.025 | 18 | -77 | -95 | 11 | -3 | 775 | -19 | 188 | N/A | VH | VH | (1405) | -4,192 |
| 2074 | 188 | 758 | 6/7/2018 | 6 | -70 | 76 | 1.9 | 17 | -75 | -92 | 11 | -5 | 775 | -17 | 188 | N/A | VH | H | (1406) | -4,192 |
| 2075 | 189 | 762 | 6/8/2018 | 3 | -69 | 72 | 1.8 | 15 | -79 | -94 | 12 | -10 | 779 | -17 | 189 | N/A | H | H | (1407) | -4,192 |
| 2076 | 189 | 764 | 6/9/2018 | 3 | -71 | 74 | 1.85 | 13 | -72 | -85 | 10 | -1 | 779 | -15 | 190 | N/A | H | H | (1408) | -4,192 |
| 2077 | 190 | 765 | 6/10/2018 | 0 | -69 | 69 | 1.725 | 12 | -70 | -82 | 12 | -1 | 781 | -16 | 190 | N/A | H | H | (1409) | -4,192 |
| 2078 | 190 | 766 | 6/11/2018 | 1 | -73 | 74 | 1.85 | 10 | -71 | -81 | 9 | +2 | 782 | -16 | 191 | N/A | H | H | (1410) | -4,192 |
| 2079 | 191 | 767 | 6/12/2018 | 2 | -68 | 70 | 1.75 | 11 | -69 | -80 | 9 | -1 | 782 | -15 | 191 | N/A | H | H | (1411) | -4,192 |
| 2080 | 192 | 768 | 6/13/2018 | 2 | -67 | 69 | 1.725 | 11 | -70 | -81 | 9 | -3 | 782 | -14 | 192 | N/A | H | H | (1412) | -4,192 |
| 2081 | 192 | 770 | 6/14/2018 | -3 | -69 | 66 | 1.65 | 6 | -71 | -77 | 9 | -2 | 784 | -14 | 193 | N/A | M | H | (1413) | -4,192 |
| | | | Dust storm | | | | | | | | | | | | | | | | | |
| 2082 | 193 | 768 | 6/15/201 | -15 | -64 | 49 | 1.225 | 0 | -64 | -64 | 15 | 0 | 785 | -17 | 193 | N/A | L | H | (1414) | -4,192 |
| | | | Dust storm | | | | | | | | | | | | | | | | | |
| 2083 | 194 | 769 | 6/16/2018 | -14 | -63 | 49 | 1.225 | -1 | -63 | -62 | 13 | 0 | 787 | -18 | 194 | N/A | L | H | (1415) | -4,192 |
| | | | Dust storm | | | | | | | | | | | | | | | | | |

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U |
|-----|-----|-------------|------------|-----------------|-----------------|-------------------------------------|-------------------------------------|----------------------------------|---|--|---|---|-----------------------------------|--|------------|---------------------------------|-------|-------|---------------------------------------|----------------------------------|
| SOL | ~LS | PRESSURE Pa | EARTH DATE | MAX AIR TEMP °C | MIN AIR TEMP °C | AIR TEMP RANGE °C, YELLOW IF <60 °C | AIR TEMP RANGE °C/40, GREEN IF <1.5 | MAX GROUND TEMP °C, RED IF > 0°C | MIN GROUND TEMP °C, PURPLE IF -90°C OR COLDER | Δ GROUND TEMP DAY TO NIGHT, YELLOW = -80 TO -89, RED = -90 OR COLDER | DAYTIME CHANGE IN TEMP °C AIR TO GROUND | NIGHTTIME CHANGE IN TEMP °C AIR TO GROUND | PRESSURE AT SAME LS IN MSL YEAR 2 | Δ PRESSURE YEAR 3 TO YEAR 2 SAME LS, YELLOW = > 7 Pa | ~LS year 2 | PRESSURE YEAR 1 BEFORE REVISION | UV YR | UV YR | (MSL YEAR 2 SOL FOR THIS LS)/COMMENTS | MSL Altitude meters below areoid |

| | | | | | | | | | | | | | | | | | | | | |
|-------------------|-----|-----|-----------|-----|-----|----|-------|-----|-----|-----|----|----|-----|-----|-----|-----|---|---|--------|--------|
| 2084 | 194 | 771 | 6/17/2018 | -21 | -65 | 44 | 1.1 | -14 | -58 | -44 | 7 | +7 | 791 | -20 | 194 | N/A | L | H | (1416) | -4,192 |
| Dust storm | | | | | | | | | | | | | | | | | | | | |
| 2085 | 195 | 772 | 6/18/2018 | -24 | -58 | 34 | 0.85 | -17 | -56 | -39 | 7 | +2 | 791 | -19 | 195 | N/A | L | H | (1417) | -4,191 |
| Dust storm | | | | | | | | | | | | | | | | | | | | |
| 2086 | 195 | 776 | 6/19/2018 | -25 | -57 | 32 | 0.8 | -17 | -58 | -41 | 8 | -1 | 793 | -17 | 196 | N/A | L | H | (1418) | -4,192 |
| Dust storm | | | | | | | | | | | | | | | | | | | | |
| 2087 | 196 | 780 | 6/20/2018 | -28 | -59 | 31 | 0.775 | -15 | -57 | -42 | 13 | +2 | 793 | -13 | 196 | N/A | L | H | (1419) | -4,193 |
| Dust storm | | | | | | | | | | | | | | | | | | | | |
| 2088 | 196 | 778 | 6/21/2018 | -24 | -58 | 34 | 0.85 | -16 | -58 | -42 | 8 | 0 | 793 | -15 | 197 | N/A | L | H | (1420) | -4,193 |
| Dust storm | | | | | | | | | | | | | | | | | | | | |
| 2089 | 197 | 779 | 6/22/2018 | -26 | -59 | 33 | 0.825 | -15 | -59 | -44 | 11 | 0 | 797 | -18 | 197 | N/A | L | H | (1421) | -4,192 |

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U |
|-----|-----|-------------|------------|-----------------|-----------------|-------------------------------------|-------------------------------------|----------------------------------|---|--|---|---|----------------------------|---|------------|---------------------------------|-------|-------|---------------------------------------|----------------------------------|
| SOL | ~LS | PRESSURE Pa | EARTH DATE | MAX AIR TEMP °C | MIN AIR TEMP °C | AIR TEMP RANGE °C, YELLOW IF <60 °C | AIR TEMP RANGE °C/40, GREEN IF <1.5 | MAX GROUND TEMP °C, RED IF > 0°C | MIN GROUND TEMP °C, PURPLE IF -90°C OR COLDER | Δ GROUND TEMP DAY TO NIGHT, YELLOW = -80 TO -89, RED = -90 OR COLDER | DAYTIME CHANGE IN TEMP °C AIR TO GROUND | NIGHTTIME CHANGE IN TEMP °C AIR TO GROUND | PRESSURE AT SAME LS IN MSL | Δ PRESSURE YEAR 3 TO YEAR 2 SAME LS, YELLOW = > 7 Pa) | ~LS year 2 | PRESSURE YEAR 1 BEFORE REVISION | UV YR | UV YR | (MSL YEAR 2 SOL FOR THIS LS)/COMMENTS | MSL Altitude meters below areoid |

| | | | | | | | | | | | | | | | | | | | | |
|-------------------|-----|-----|-----------|-----|-----|----|-------|-----|-----|-----|----|----|-----|-----|-----|-----|---|----|--------|--------|
| 2090 | 198 | 778 | 6/23/2018 | -23 | -61 | 38 | 0.95 | -14 | -61 | -47 | 9 | 0 | 800 | -22 | 198 | N/A | L | H | (1422) | -4,193 |
| Dust storm | | | | | | | | | | | | | | | | | | | | |
| 2091 | 198 | 779 | 6/24/2018 | -22 | -63 | 41 | 1.025 | -13 | -60 | -47 | 9 | +3 | 800 | -21 | 199 | N/A | L | H | (1423) | |
| Dust storm | | | | | | | | | | | | | | | | | | | | |
| 2092 | 199 | 781 | 6/25/2018 | -24 | -67 | 43 | 1.075 | -12 | -62 | -50 | 12 | +5 | 803 | -22 | 199 | N/A | L | H | (1424) | -4,186 |
| Dust storm | | | | | | | | | | | | | | | | | | | | |
| 2093 | 199 | 780 | 6/26/2018 | -24 | -63 | 39 | 0.975 | -14 | -60 | -46 | 10 | +3 | 804 | -24 | 200 | N/A | L | H | (1425) | |
| Dust storm | | | | | | | | | | | | | | | | | | | | |
| 2094 | 200 | 783 | 6/27/2018 | -27 | -61 | 34 | 0.85 | -17 | -60 | -43 | 10 | +1 | 803 | -20 | 200 | N/A | L | H | (1426) | -4,177 |
| Dust storm | | | | | | | | | | | | | | | | | | | | |
| 2095 | 201 | 784 | 6/28/2018 | -25 | -61 | 36 | 0.9 | -17 | -60 | -43 | 8 | +1 | 807 | -23 | 201 | N/A | L | VH | (1427) | -4,171 |
| Dust storm | | | | | | | | | | | | | | | | | | | | |
| 2096 | 201 | 788 | 6/29/2018 | -22 | -63 | 41 | 1.025 | -15 | -59 | -44 | 7 | +4 | 808 | -20 | 202 | N/A | L | VH | (1428) | |

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U |
|-----|-----|-------------|------------|-----------------|-----------------|-------------------------------------|-------------------------------------|----------------------------------|---|--|---|---|-----------------------------------|---|------------|---------------------------------|-------|-------|---------------------------------------|----------------------------------|
| SOL | ~LS | PRESSURE Pa | EARTH DATE | MAX AIR TEMP °C | MIN AIR TEMP °C | AIR TEMP RANGE °C, YELLOW IF <60 °C | AIR TEMP RANGE °C/40, GREEN IF <1.5 | MAX GROUND TEMP °C, RED IF > 0°C | MIN GROUND TEMP °C, PURPLE IF -90°C OR COLDER | Δ GROUND TEMP DAY TO NIGHT, YELLOW = -80 TO -89, RED = -90 OR COLDER | DAYTIME CHANGE IN TEMP °C AIR TO GROUND | NIGHTTIME CHANGE IN TEMP °C AIR TO GROUND | PRESSURE AT SAME LS IN MSL YEAR 2 | Δ PRESSURE YEAR 3 TO YEAR 2 SAME LS, YELLOW = > 7 Pa) | ~LS year 2 | PRESSURE YEAR 1 BEFORE REVISION | UV YR | UV YR | (MSL YEAR 2 SOL FOR THIS LS)/COMMENTS | MSL Altitude meters below areoid |

| | | | | | | | | | | | | | | | | | | | | |
|------|-----|-----|------------|-----|-----|----|-------|-----|-----|-----|---|----|-----|-----|-----|-----|---|----|--------|--------|
| | | | Dust storm | | | | | | | | | | | | | | | | | |
| 2097 | 202 | 789 | 6/30/2018 | -23 | -60 | 37 | 0.925 | -16 | -59 | -43 | 7 | +1 | 810 | -21 | 202 | N/A | L | VH | (1429) | |
| | | | Dust storm | | | | | | | | | | | | | | | | | |
| 2098 | 203 | 791 | 7/1/2018 | -23 | -61 | 38 | 0.95 | -17 | -59 | -42 | 6 | +2 | 810 | -19 | 203 | N/A | L | H | (1430) | -4,165 |
| | | | Dust storm | | | | | | | | | | | | | | | | | |
| 2099 | 203 | 791 | 7/2/2018 | -25 | -61 | 36 | 0.9 | -16 | -58 | -42 | 9 | +3 | 811 | -20 | 204 | N/A | L | H | (1431) | |
| | | | Dust storm | | | | | | | | | | | | | | | | | |
| 2100 | 204 | 797 | 7/3/2018 | -29 | -61 | 32 | 0.8 | -24 | -59 | -35 | 5 | +2 | 813 | -16 | 204 | N/A | L | H | (1432) | |
| | | | Dust storm | | | | | | | | | | | | | | | | | |
| 2101 | 204 | 796 | 7/4/2018 | -23 | -61 | 38 | 0.95 | -16 | -59 | -43 | 7 | +2 | 821 | -25 | 205 | N/A | L | H | (1433) | |
| | | | Dust storm | | | | | | | | | | | | | | | | | |
| 2102 | 205 | 797 | 7/5/2018 | -22 | -60 | 38 | 0.95 | -14 | -59 | -45 | 8 | +1 | 820 | -23 | 205 | N/A | L | H | (1434) | -4,163 |
| | | | Dust storm | | | | | | | | | | | | | | | | | |

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U |
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|------|-----|-----|-----------|-----|-----|----|-----|-----|-----|-----|----|----|-----|-----|-----|-----|---|---|--------|--------|
| 2103 | 205 | 797 | 7/6/2018 | -26 | -58 | 32 | 0.8 | -16 | -58 | -42 | 10 | 0 | 824 | -27 | 206 | N/A | L | H | (1435) | |
| 2104 | 206 | 797 | 7/7/2018 | -23 | -59 | 36 | 0.9 | -15 | -58 | -43 | 8 | +1 | 824 | -27 | 206 | N/A | L | H | (1436) | -4,165 |
| 2105 | 207 | 802 | 7/8/2018 | -25 | -61 | 36 | 0.9 | -15 | -59 | -44 | 10 | +2 | 821 | -19 | 207 | N/A | L | H | (1437) | |
| 2106 | 208 | 803 | 7/9/2018 | -27 | -63 | 36 | 0.9 | -16 | -59 | -43 | 11 | +4 | 823 | -20 | 208 | N/A | L | H | (1438) | |
| 2107 | 208 | 807 | 7/11/2018 | -21 | -65 | 44 | 1.1 | -15 | -59 | -44 | 6 | +6 | 828 | -21 | 208 | N/A | L | H | (1439) | -4,164 |

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U |
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|-------------------|-----|-----|-----------|-----|-----|----|-------|-----|-----|-----|----|----|-----|-----|-----|-----|---|---|--------|--------|
| 2108 | 209 | 806 | 7/12/2018 | -24 | -65 | 41 | 1.025 | -15 | -58 | -43 | 9 | +7 | 828 | -22 | 209 | N/A | L | H | (1440) | -4,164 |
| Dust storm | | | | | | | | | | | | | | | | | | | | |
| 2109 | 209 | 809 | 7/13/2018 | -22 | -66 | 44 | 1.1 | -12 | -60 | -48 | 10 | +6 | 828 | -19 | 210 | N/A | L | H | (1441) | -4,164 |
| Dust storm | | | | | | | | | | | | | | | | | | | | |
| 2110 | 210 | 810 | 7/14/2018 | -20 | -59 | 39 | 0.975 | -12 | -59 | -47 | 8 | 0 | 829 | -19 | 210 | N/A | L | H | (1442) | |
| Dust storm | | | | | | | | | | | | | | | | | | | | |
| 2111 | 211 | 813 | 7/15/2018 | -20 | -67 | 47 | 1.175 | -12 | -60 | -48 | 8 | +7 | 831 | -18 | 211 | N/A | L | H | (1443) | |
| Dust storm | | | | | | | | | | | | | | | | | | | | |
| 2112 | 211 | 813 | 7/16/2018 | -11 | -63 | 52 | 1.3 | -11 | -60 | -49 | 0 | +3 | 833 | -19 | 212 | N/A | L | H | (1444) | |
| Dust storm | | | | | | | | | | | | | | | | | | | | |
| 2113 | 212 | 815 | 7/17/2018 | -20 | -62 | 42 | 1.05 | -11 | -60 | -49 | 9 | +2 | 836 | -21 | 212 | N/A | L | H | (1445) | |
| Dust storm | | | | | | | | | | | | | | | | | | | | |
| 2114 | 213 | 816 | 7/18/2018 | -19 | -61 | 42 | 1.05 | -10 | -60 | -50 | 9 | +1 | 841 | 19 | 213 | N/A | L | H | (1446) | |
| Dust storm | | | | | | | | | | | | | | | | | | | | |

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U |
|-----|-----|-------------|------------|-----------------|-----------------|-------------------------------------|---------------------------------|-----------------------------------|---|--|---|---|----------------------------|---|------------|---------------------------------|-------|-------|---------------------------------------|----------------------------------|
| SOL | ~LS | PRESSURE Pa | EARTH DATE | MAX AIR TEMP °C | MIN AIR TEMP °C | AIR TEMP RANGE °C, YELLOW IF <60 °C | AIR TEMP RANGE °C, RED IF > 0°C | MAX GROUND TEMP °C, GREEN IF <1.5 | MIN GROUND TEMP °C, PURPLE IF -90°C OR COLDER | Δ GROUND TEMP DAY TO NIGHT, YELLOW = -80 TO -89, RED = -90 OR COLDER | DAYTIME CHANGE IN TEMP °C AIR TO GROUND | NIGHTTIME CHANGE IN TEMP °C AIR TO GROUND | PRESSURE AT SAME LS IN MSL | Δ PRESSURE YEAR 3 TO YEAR 2 SAME LS, YELLOW = > 7 Pa) | ~LS year 2 | PRESSURE YEAR 1 BEFORE REVISION | UV YR | UV YR | (MSL YEAR 2 SOL FOR THIS LS)/COMMENTS | MSL Altitude meters below areoid |

| | | | | | | | | | | | | | | | | | | | | |
|-------------------|-----|-----|-----------|-----|-----|----|-------|-----|-----|-----|----|----|-----|-----|-----|-----|---|----|--------|--------|
| 2115 | 213 | 818 | 7/19/2018 | -21 | -61 | 40 | 1.0 | -12 | -60 | -48 | 9 | +1 | 841 | -25 | 214 | N/A | L | H | (1447) | |
| Dust storm | | | | | | | | | | | | | | | | | | | | |
| 2116 | 214 | 820 | 7/20/2018 | -21 | -62 | 41 | 1.025 | -10 | -60 | -50 | 11 | +2 | 841 | -21 | 214 | N/A | L | H | (1448) | -4,159 |
| Dust storm | | | | | | | | | | | | | | | | | | | | |
| 2117 | 214 | 822 | 7/21/2018 | -19 | -64 | 43 | 1.075 | -8 | -61 | -53 | 11 | +3 | 841 | -19 | 215 | N/A | L | H | (1449) | |
| Dust storm | | | | | | | | | | | | | | | | | | | | |
| 2118 | 215 | 822 | 7/22/2018 | -19 | -68 | 49 | 1.225 | -10 | -62 | -52 | 11 | +6 | 842 | -20 | 215 | N/A | L | H | (1450) | |
| Dust storm | | | | | | | | | | | | | | | | | | | | |
| 2119 | 216 | 824 | 7/23/2018 | -16 | -69 | 53 | 1.325 | -8 | -62 | -54 | 8 | +7 | 842 | -18 | 216 | N/A | L | H | (1451) | -4,159 |
| Dust storm | | | | | | | | | | | | | | | | | | | | |
| 2120 | 216 | 828 | 7/24/2018 | -16 | -67 | 51 | 1.275 | -8 | -61 | -53 | 8 | +6 | 845 | -17 | 217 | N/A | L | H | (1452) | |
| Dust storm | | | | | | | | | | | | | | | | | | | | |
| 2121 | 217 | 829 | 7/25/2018 | -18 | -62 | 44 | 1.1 | -8 | -62 | -54 | 10 | 0 | 850 | -21 | 217 | N/A | L | VH | (1453) | |
| Dust storm | | | | | | | | | | | | | | | | | | | | |

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U |
|-----|-----|-------------|------------|-----------------|-----------------|-------------------------------------|---------------------------------|-----------------------------------|---|--|---|---|----------------------------|---|------------|---------------------------------|-------|-------|---------------------------------------|----------------------------------|
| SOL | ~LS | PRESSURE Pa | EARTH DATE | MAX AIR TEMP °C | MIN AIR TEMP °C | AIR TEMP RANGE °C, YELLOW IF <60 °C | AIR TEMP RANGE °C, RED IF > 0°C | MAX GROUND TEMP °C, GREEN IF <1.5 | MIN GROUND TEMP °C, PURPLE IF -90°C OR COLDER | Δ GROUND TEMP DAY TO NIGHT, YELLOW = -80 TO -89, RED = -90 OR COLDER | DAYTIME CHANGE IN TEMP °C AIR TO GROUND | NIGHTTIME CHANGE IN TEMP °C AIR TO GROUND | PRESSURE AT SAME LS IN MSL | Δ PRESSURE YEAR 3 TO YEAR 2 SAME LS, YELLOW = > 7 Pa) | ~LS year 2 | PRESSURE YEAR 1 BEFORE REVISION | UV YR | UV YR | (MSL YEAR 2 SOL FOR THIS LS)/COMMENTS | MSL Altitude meters below areoid |

| | | | | | | | | | | | | | | | | | | | | |
|------|-----|-----|------------|-----|-----|----|-------|----|-----|-----|----|----|-----|-----|-----|-----|---|---|--------|--------|
| 2122 | 218 | 830 | 7/26/2018 | -14 | -63 | 49 | 1.225 | -6 | -62 | -56 | 8 | +1 | 854 | -24 | 218 | N/A | L | H | (1454) | |
| 2123 | 218 | 831 | Dust storm | -18 | -68 | 50 | 1.25 | -6 | -63 | -57 | 12 | +5 | 858 | -27 | 219 | N/A | L | H | (1455) | |
| 2124 | 219 | 832 | Dust storm | -17 | -67 | 50 | 1.25 | -6 | -62 | -56 | 11 | +5 | 859 | -27 | 220 | N/A | L | H | (1456) | |
| 2125 | 219 | 834 | Dust storm | -17 | -66 | 49 | 1.225 | -7 | -62 | -55 | 10 | +4 | 860 | -26 | 220 | N/A | L | H | (1457) | |
| 2126 | 220 | 837 | Dust storm | -18 | -63 | 45 | 1.125 | -8 | -63 | -55 | 10 | 0 | 859 | -22 | 220 | N/A | L | H | (1458) | -4,163 |
| 2127 | 221 | 838 | Dust storm | -18 | -69 | 51 | 1.275 | -7 | -64 | -57 | 11 | +5 | 861 | -23 | 221 | N/A | L | H | (1459) | |
| 2128 | 221 | 841 | Dust storm | -20 | -65 | 45 | 1.125 | -7 | -62 | -55 | 13 | +3 | 865 | -24 | 222 | N/A | L | H | (1460) | -4,169 |
| 2129 | 222 | 843 | Dust Storm | -21 | -66 | 45 | 1.125 | -7 | -63 | -56 | 14 | +3 | 870 | -27 | 222 | N/A | L | H | (1461) | |

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U |
|-----|-----|-------------|------------|-----------------|-----------------|-------------------------------------|-------------------------------------|----------------------------------|---|--|---|---|----------------------------|---|------------|---------------------------------|-------|-------|---------------------------------------|----------------------------------|
| SOL | ~LS | PRESSURE Pa | EARTH DATE | MAX AIR TEMP °C | MIN AIR TEMP °C | AIR TEMP RANGE °C, YELLOW IF <60 °C | AIR TEMP RANGE °C/40, GREEN IF <1.5 | MAX GROUND TEMP °C, RED IF > 0°C | MIN GROUND TEMP °C, PURPLE IF -90°C OR COLDER | Δ GROUND TEMP DAY TO NIGHT, YELLOW = -80 TO -89, RED = -90 OR COLDER | DAYTIME CHANGE IN TEMP °C AIR TO GROUND | NIGHTTIME CHANGE IN TEMP °C AIR TO GROUND | PRESSURE AT SAME LS IN MSL | Δ PRESSURE YEAR 3 TO YEAR 2 SAME LS, YELLOW = > 7 Pa) | ~LS year 2 | PRESSURE YEAR 1 BEFORE REVISION | UV YR | UV YR | (MSL YEAR 2 SOL FOR THIS LS)/COMMENTS | MSL Altitude meters below areoid |

| | | | | | | | | | | | | | | | | | | | | |
|------|-----|-----|------------------------|-----|-----|----|-------|----|-----|-----|----|----|-----|-----|-----|-----|---|---|--------|--------|
| 2130 | 223 | 844 | 8/3/2018 Dust storm | -18 | -62 | 44 | 1.1 | -7 | -63 | -56 | 11 | -1 | 871 | -25 | 223 | N/A | L | H | (1462) | |
| 2131 | 223 | 846 | 8/4/2018 Dust storm | -21 | -67 | 46 | 1.15 | -6 | -63 | -57 | 15 | +4 | 871 | -24 | 223 | N/A | L | H | (1463) | |
| 2132 | 224 | 847 | 8/5/2018 Dust Storm | -16 | -69 | 53 | 1.325 | -4 | -64 | -60 | 12 | +5 | 871 | -24 | 224 | N/A | L | H | (1464) | -4,170 |
| 2133 | 225 | 849 | 8/6/2018 Dust Storm | -18 | -65 | 47 | 1.175 | -3 | -65 | -62 | 15 | 0 | 870 | -21 | 225 | N/A | L | H | (1465) | |
| 2134 | 225 | 851 | 8/7/2018 Dust Storm | -14 | -65 | 51 | 1.275 | -3 | -66 | -63 | 11 | -1 | 873 | -22 | 226 | N/A | L | H | (1466) | |
| 2135 | 226 | 854 | 8/8/2018 Dust Storm | -15 | -66 | 51 | 1.275 | -3 | -66 | -63 | 12 | 0 | 877 | -23 | 226 | N/A | L | H | (1467) | |

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U |
|-----|-----|-------------|------------|-----------------|-----------------|-------------------------------------|---------------------------|--------------------------------------|---|---|---|---|----------------------------|--|------------|---------------------------------|-------|-------|---------------------------------------|----------------------------------|
| SOL | ~LS | PRESSURE Pa | EARTH DATE | MAX AIR TEMP °C | MIN AIR TEMP °C | AIR TEMP RANGE °C, YELLOW IF <60 °C | AIR TEMP °C, RED IF > 0°C | MAX GROUND TEMP °C/40, GREEN IF <1.5 | MIN GROUND TEMP °C, PURPLE IF -90°C OR COLDER | Δ GROUND TEMP DAY TO NIGHT, YELLOW = -80 TO -89, RED = -90 OR COLDER DROP | DAYTIME CHANGE IN TEMP °C AIR TO GROUND | NIGHTTIME CHANGE IN TEMP °C AIR TO GROUND | PRESSURE AT SAME LS IN MSL | Δ PRESSURE YEAR 3 TO YEAR 2 SAME LS, YELLOW = > 7 Pa | ~LS year 2 | PRESSURE YEAR 1 BEFORE REVISION | UV YR | UV YR | (MSL YEAR 2 SOL FOR THIS LS)/COMMENTS | MSL Altitude meters below areoid |

| | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-----|-----|-----------|-----|-----|----|-------|----|-----|-----|----|----|-----|-----|-----|-----|---|---|--------|--|
| 2136 | 227 | 856 | 8/9/2018 | -13 | -66 | 53 | 1.325 | -3 | -65 | -62 | 10 | +1 | 879 | -23 | 227 | N/A | L | H | (1468) | |
| Dust Storm | | | | | | | | | | | | | | | | | | | | |
| 2137 | 227 | 867 | 8/10/2018 | -13 | -66 | 53 | 1.325 | -2 | -70 | -68 | 11 | -4 | 881 | -14 | 228 | N/A | L | H | (1469) | |
| Dust Storm | | | | | | | | | | | | | | | | | | | | |
| 2138 | 228 | 858 | 8/11/2018 | -16 | -68 | 52 | 1.3 | -2 | -65 | -63 | 14 | +3 | 879 | -21 | 228 | N/A | L | M | (1470) | |
| Dust Storm | | | | | | | | | | | | | | | | | | | | |
| 2139 | 228 | 857 | 8/12/2018 | -11 | -70 | 59 | 1.475 | -1 | -66 | 65 | 10 | +4 | 880 | -23 | 229 | N/A | L | M | (1471) | |
| Dust Storm | | | | | | | | | | | | | | | | | | | | |
| 2140 | 229 | 858 | 8/13/2018 | -10 | -70 | 60 | 1.5 | 0 | -67 | 67 | 10 | +3 | 879 | -21 | 229 | N/A | M | M | (1472) | |
| Dust Storm Ends? | | | | | | | | | | | | | | | | | | | | |
| 2141 | 230 | 863 | 8/14/2018 | -17 | -66 | 49 | 1.225 | 0 | -71 | 71 | 17 | -5 | 881 | -18 | 230 | N/A | M | M | (1473) | |
| | | | | | | | | | | | | | | | | | | | | |
| 2142 | 230 | 865 | 8/15/2018 | -10 | -71 | 61 | 1.525 | -1 | -67 | 66 | 9 | +4 | 889 | -24 | 231 | N/A | L | M | (1474) | |

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U |
|-----|-----|-------------|------------|-----------------|-----------------|-------------------------------------|-------------------------------------|----------------------------------|---|--|---|---|----------------------------|--|------------|---------------------------------|-------|-------|---------------------------------------|----------------------------------|
| SOL | ~LS | PRESSURE Pa | EARTH DATE | MAX AIR TEMP °C | MIN AIR TEMP °C | AIR TEMP RANGE °C, YELLOW IF <60 °C | AIR TEMP RANGE °C/40, GREEN IF <1.5 | MAX GROUND TEMP °C, RED IF > 0°C | MIN GROUND TEMP °C, PURPLE IF -90°C OR COLDER | Δ GROUND TEMP DAY TO NIGHT, YELLOW = -80 TO -89, RED = -90 OR COLDER | DAYTIME CHANGE IN TEMP °C AIR TO GROUND | NIGHTTIME CHANGE IN TEMP °C AIR TO GROUND | PRESSURE AT SAME LS IN MSL | Δ PRESSURE YEAR 3 TO YEAR 2 SAME LS, YELLOW = > 7 Pa | ~LS year 2 | PRESSURE YEAR 1 BEFORE REVISION | UV YR | UV YR | (MSL YEAR 2 SOL FOR THIS LS)/COMMENTS | MSL Altitude meters below areoid |

| | | | | | | | | | | | | | | | | | | | | |
|------|-----|-----|-----------|-----|-----|----|-------|---|-----|----|----|----|-----|-----|-----|-----|---|---|--------|--------|
| 2143 | 231 | 865 | 8/17/2018 | -12 | -71 | 59 | 1.475 | 0 | -67 | 67 | 12 | +4 | 890 | -25 | 231 | N/A | M | M | (1475) | |
| 2144 | 232 | 867 | 8/18/2018 | -11 | -67 | 56 | 1.4 | 1 | -69 | 71 | 12 | -2 | 888 | -21 | 232 | N/A | L | H | (1476) | -4,181 |
| 2145 | 232 | 868 | 8/19/2018 | -10 | -66 | 56 | 1.4 | 0 | -66 | 66 | 10 | 0 | 888 | -20 | 233 | N/A | L | H | (1477) | |
| 2146 | 233 | 870 | 8/20/2018 | -10 | -67 | 57 | 1.425 | 1 | -67 | 68 | 11 | 0 | 887 | -17 | 233 | N/A | M | M | (1478) | |
| 2147 | 233 | 870 | 8/21/2018 | -15 | -68 | 53 | 1.325 | 0 | -67 | 67 | 15 | +1 | 890 | -20 | 234 | N/A | L | M | (1479) | |
| 2148 | 234 | 872 | 8/22/2018 | -13 | -67 | 54 | 1.35 | 2 | -67 | 69 | 15 | 0 | 893 | -21 | 235 | N/A | M | H | (1480) | |
| 2149 | 235 | 874 | 8/23/2018 | -10 | -68 | 58 | 1.45 | 2 | -68 | 70 | 12 | 0 | 893 | -19 | 235 | N/A | M | H | (1481) | |
| 2150 | 236 | 874 | 8/24/2018 | -11 | -68 | 57 | 1.425 | 1 | -68 | 69 | 12 | 0 | 893 | -19 | 236 | N/A | M | H | (1482) | |
| 2151 | 236 | 876 | 8/25/2018 | -12 | -66 | 54 | 1.35 | 2 | -68 | 70 | 14 | -2 | 895 | -19 | 237 | N/A | M | H | (1483) | |
| 2152 | 237 | 878 | 8/26/2018 | -10 | -69 | 59 | 1.475 | 3 | -68 | 71 | 13 | +1 | 899 | -21 | 237 | N/A | M | H | (1484) | |
| 2153 | 237 | 880 | 8/27/2018 | -10 | -68 | 58 | 1.45 | 3 | -67 | 70 | 13 | +1 | 899 | -19 | 238 | N/A | M | H | (1485) | |
| 2154 | 238 | 878 | 8/28/2018 | -10 | -73 | 63 | 1.575 | 2 | -68 | 70 | 12 | +5 | 901 | -23 | 239 | N/A | M | H | (1486) | |

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U |
|-----|-----|-------------|------------|-----------------|-----------------|-------------------------------------|-------------------------------------|----------------------------------|---|--|---|---|----------------------------|--|------------|---------------------------------|-------|-------|---------------------------------------|----------------------------------|
| SOL | ~LS | PRESSURE Pa | EARTH DATE | MAX AIR TEMP °C | MIN AIR TEMP °C | AIR TEMP RANGE °C, YELLOW IF <60 °C | AIR TEMP RANGE °C/40, GREEN IF <1.5 | MAX GROUND TEMP °C, RED IF > 0°C | MIN GROUND TEMP °C, PURPLE IF -90°C OR COLDER | Δ GROUND TEMP DAY TO NIGHT, YELLOW = -80 TO -89, RED = -90 OR COLDER | DAYTIME CHANGE IN TEMP °C AIR TO GROUND | NIGHTTIME CHANGE IN TEMP °C AIR TO GROUND | PRESSURE AT SAME LS IN MSL | Δ PRESSURE YEAR 3 TO YEAR 2 SAME LS, YELLOW = > 7 Pa | ~LS year 2 | PRESSURE YEAR 1 BEFORE REVISION | UV YR | UV YR | (MSL YEAR 2 SOL FOR THIS LS)/COMMENTS | MSL Altitude meters below areoid |

| | | | | | | | | | | | | | | | | | | | | |
|------|-----|-----|-----------|-----|-----|----|-------|----|-----|----|----|----|-----|-----|-----|-----|---|----|--------|--------|
| 2155 | 239 | 878 | 8/29/2018 | -12 | -76 | 64 | 1.6 | 3 | -68 | 71 | 15 | +8 | 901 | -23 | 239 | N/A | M | H | (1487) | |
| 2156 | 239 | 879 | 8/30/2018 | -6 | -71 | 65 | 1.625 | 1 | -68 | 69 | 7 | +3 | 902 | -23 | 240 | N/A | M | VH | (1488) | -4,162 |
| 2157 | 240 | 877 | 8/31/2018 | -5 | -67 | 62 | 1.55 | 2 | -66 | 68 | 7 | +1 | 903 | -26 | 240 | N/A | M | H | (1489) | |
| 2158 | 241 | 880 | 9/1/2018 | -7 | -67 | 60 | 1.5 | 3 | -67 | 70 | 10 | 0 | 904 | -24 | 241 | N/A | M | H | (1490) | -4,156 |
| 2159 | 241 | 883 | 9/2/2018 | -10 | -68 | 58 | 1.45 | 3 | -68 | 71 | 13 | 0 | 906 | -23 | 242 | N/A | M | H | (1491) | |
| 2160 | 242 | 885 | 9/3/2018 | -8 | -68 | 60 | 1.5 | 3 | -69 | 72 | 11 | -1 | 910 | -25 | 242 | 921 | M | H | (1492) | |
| 2161 | 243 | 884 | 9/4/2018 | -5 | -68 | 63 | 1.575 | 10 | -69 | 79 | 15 | -1 | 904 | -20 | 243 | N/A | M | H | (1493) | -4,151 |
| 2162 | 243 | 885 | 9/5/2018 | -5 | -69 | 64 | 1.6 | 4 | -69 | 73 | 9 | 0 | 904 | -19 | 244 | N/A | M | H | (1494) | |
| 2163 | 244 | 886 | 9/6/2018 | -5 | -70 | 65 | 1.625 | 3 | -68 | 71 | 8 | +2 | 903 | -17 | 244 | N/A | M | H | (1495) | -4,150 |
| 2164 | 245 | 886 | 9/7/2018 | -8 | -68 | 60 | 1.5 | 3 | -73 | 76 | 11 | -5 | 904 | -18 | 245 | N/A | M | H | (1496) | |
| 2165 | 245 | 887 | 9/8/2018 | -10 | -70 | 60 | 1.5 | 4 | -77 | 81 | 14 | -7 | 909 | -22 | 246 | | M | H | (1497) | |

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U |
|-----|-----|-------------|------------|-----------------|-----------------|-------------------------------------|-------------------------------------|----------------------------------|---|---|---|---|----------------------------|---|------------|---------------------------------|-------|-------|---------------------------------------|----------------------------------|
| SOL | ~LS | PRESSURE Pa | EARTH DATE | MAX AIR TEMP °C | MIN AIR TEMP °C | AIR TEMP RANGE °C, YELLOW IF <60 °C | AIR TEMP RANGE °C/40, GREEN IF <1.5 | MAX GROUND TEMP °C, RED IF > 0°C | MIN GROUND TEMP °C, PURPLE IF -90°C OR COLDER | Δ GROUND TEMP DAY TO NIGHT, YELLOW = -80 TO -89, RED = -90 OR COLDER DROP | DAYTIME CHANGE IN TEMP °C AIR TO GROUND | NIGHTTIME CHANGE IN TEMP °C AIR TO GROUND | PRESSURE AT SAME LS IN MSL | Δ PRESSURE YEAR 3 TO YEAR 2 SAME LS, YELLOW = > 7 Pa) | ~LS year 2 | PRESSURE YEAR 1 BEFORE REVISION | UV YR | UV YR | (MSL YEAR 2 SOL FOR THIS LS)/COMMENTS | MSL Altitude meters below areoid |

| | | | | | | | | | | | | | | | | | | | | |
|------|-----|--|-----------|-----|-----|----|-------|---|-----|----|----|----|-----|--------------|-----|-----|---|----------|--------|--|
| 2166 | 246 | 887 | 9/9/2018 | -10 | -72 | 62 | 1.55 | 5 | -69 | 74 | 15 | +3 | 907 | -20 (was 10) | 246 | 897 | M | L then H | (1498) | -4,150 |
| 2167 | 247 | 885 | 9/10/2018 | -12 | -73 | 61 | 1.525 | 5 | -69 | 74 | 17 | +4 | 903 | -18 | 247 | N/A | M | VH | (1499) | |
| 2168 | 247 | 889 | 9/11/2018 | -13 | -69 | 56 | 1.4 | 5 | -70 | 75 | 18 | -1 | 903 | -14 | 248 | N/A | M | VH | (1500) | |
| 2169 | 248 | 882 | 9/12/2018 | -10 | 70 | 60 | 1.5 | 5 | -69 | 74 | 15 | +1 | 903 | -21 | 248 | N/A | M | H | (1501) | |
| 2170 | 249 | 886 | 9/13/2018 | -12 | -68 | 56 | 1.4 | 4 | -69 | 73 | 16 | -1 | 907 | -21 (was 42) | 249 | 928 | M | L then H | (1502) | |
| 2171 | 249 | 879 | 9/14/2018 | -12 | -65 | 53 | 1.325 | 5 | -64 | 69 | 17 | +1 | 909 | -30 | 249 | N/A | M | H | (1503) | |
| 2172 | | Issue on Curiosity preventing it from sending science and engineering data | | | | | | | | | | | 910 | | 250 | N/A | | H | (1504) | JPL Engineers are addressing an issue on Curiosity preventing it from sending science & engineering data stored in its memory. |

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U |
|-----|-----|-------------|------------|-----------------|-----------------|-------------------------------------|-------------------------------------|----------------------------------|---|--|---|---|----------------------------|--|------------|---------------------------------|-------|-------|---------------------------------------|----------------------------------|
| SOL | ~LS | PRESSURE Pa | EARTH DATE | MAX AIR TEMP °C | MIN AIR TEMP °C | AIR TEMP RANGE °C, YELLOW IF <60 °C | AIR TEMP RANGE °C/40, GREEN IF <1.5 | MAX GROUND TEMP °C, RED IF > 0°C | MIN GROUND TEMP °C, PURPLE IF -90°C OR COLDER | Δ GROUND TEMP DAY TO NIGHT, YELLOW = -80 TO -89, RED = -90 OR COLDER | DAYTIME CHANGE IN TEMP °C AIR TO GROUND | NIGHTTIME CHANGE IN TEMP °C AIR TO GROUND | PRESSURE AT SAME LS IN MSL | Δ PRESSURE YEAR 3 TO YEAR 2 SAME LS, YELLOW = > 7 Pa | ~LS year 2 | PRESSURE YEAR 1 BEFORE REVISION | UV YR | UV YR | (MSL YEAR 2 SOL FOR THIS LS)/COMMENTS | MSL Altitude meters below areoid |

| | | | | | | | | | | | | | | | | | | | |
|------|--|-----|--|-----|-----|--|--|-----|-----|--|--|-----|--|-----|-----|--|----|--------|--|
| 2173 | | N/A | | N/A | N/A | | | N/A | N/A | | | 906 | | 251 | N/A | | H | (1505) | |
| 2174 | | N/A | | N/A | N/A | | | N/A | N/A | | | 907 | | 252 | N/A | | H | (1506) | |
| 2175 | | N/A | | N/A | N/A | | | N/A | N/A | | | 907 | | 252 | N/A | | VH | (1507) | |
| 2176 | | N/A | | N/A | N/A | | | N/A | N/A | | | 907 | | 253 | N/A | | VH | (1508) | |
| 2177 | | N/A | | N/A | N/A | | | N/A | N/A | | | 910 | | 254 | N/A | | H | (1509) | |
| 2178 | | N/A | | N/A | N/A | | | N/A | N/A | | | 908 | | 254 | N/A | | H | (1510) | |
| 2179 | | N/A | | N/A | N/A | | | N/A | N/A | | | 908 | | 255 | N/A | | VH | (1511) | |
| 2180 | | N/A | | N/A | N/A | | | N/A | N/A | | | 908 | | 255 | N/A | | VH | (1512) | |
| 2181 | | N/A | | N/A | N/A | | | N/A | N/A | | | 906 | | 256 | N/A | | H | (1513) | |
| 2182 | | N/A | | N/A | N/A | | | N/A | N/A | | | 907 | | 257 | N/A | | H | (1514) | |
| 2183 | | N/A | | N/A | N/A | | | N/A | N/A | | | 906 | | 257 | N/A | | H | (1515) | |
| 2184 | | N/A | | N/A | N/A | | | N/A | N/A | | | 909 | | 258 | N/A | | H | (1516) | |
| 2185 | | N/A | | N/A | N/A | | | N/A | N/A | | | 911 | | 259 | N/A | | H | (1517) | |
| 2186 | | N/A | | N/A | N/A | | | N/A | N/A | | | 909 | | 259 | N/A | | H | (1518) | |

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U |
|-----|-----|-------------|------------|-----------------|-----------------|-------------------------------------|-------------------------------------|----------------------------------|---|--|---|---|----------------------------|--|------------|---------------------------------|-------|-------|---------------------------------------|----------------------------------|
| SOL | ~LS | PRESSURE Pa | EARTH DATE | MAX AIR TEMP °C | MIN AIR TEMP °C | AIR TEMP RANGE °C, YELLOW IF <60 °C | AIR TEMP RANGE °C/40, GREEN IF <1.5 | MAX GROUND TEMP °C, RED IF > 0°C | MIN GROUND TEMP °C, PURPLE IF -90°C OR COLDER | Δ GROUND TEMP DAY TO NIGHT, YELLOW = -80 TO -89, RED = -90 OR COLDER | DAYTIME CHANGE IN TEMP °C AIR TO GROUND | NIGHTTIME CHANGE IN TEMP °C AIR TO GROUND | PRESSURE AT SAME LS IN MSL | Δ PRESSURE YEAR 3 TO YEAR 2 SAME LS, YELLOW = > 7 Pa | ~LS year 2 | PRESSURE YEAR 1 BEFORE REVISION | UV YR | UV YR | (MSL YEAR 2 SOL FOR THIS LS)/COMMENTS | MSL Altitude meters below areoid |

| | | | | | | | | | | | | | | | | | | | |
|------|--|-----|--|-----|-----|--|--|-----|-----|--|--|-----|--|-----|-----|----|--------|--------|--|
| 2187 | | N/A | | N/A | N/A | | | N/A | N/A | | | 906 | | 260 | N/A | | H | (1519) | |
| 2189 | | N/A | | N/A | N/A | | | N/A | N/A | | | 905 | | 261 | N/A | | H | (1520) | |
| 2190 | | N/A | | N/A | N/A | | | N/A | N/A | | | 905 | | 261 | N/A | | H | (1521) | |
| 2191 | | N/A | | N/A | N/A | | | N/A | N/A | | | 905 | | 262 | N/A | | H | (1522) | |
| 2192 | | N/A | | N/A | N/A | | | N/A | N/A | | | 905 | | 263 | N/A | | H | (1523) | |
| 2193 | | N/A | | N/A | N/A | | | N/A | N/A | | | 904 | | 263 | N/A | | H | (1524) | |
| 2194 | | N/A | | N/A | N/A | | | N/A | N/A | | | 902 | | 264 | N/A | | H | (1525) | |
| 2195 | | N/A | | N/A | N/A | | | N/A | N/A | | | 900 | | 265 | N/A | VH | (1526) | | |
| 2196 | | N/A | | N/A | N/A | | | N/A | N/A | | | 900 | | 265 | N/A | | H | (1527) | |
| 2197 | | N/A | | N/A | N/A | | | N/A | N/A | | | 891 | | 266 | N/A | | H | (1528) | |
| 2198 | | N/A | | N/A | N/A | | | N/A | N/A | | | 900 | | 267 | N/A | | H | (1529) | |
| 2199 | | N/A | | N/A | N/A | | | N/A | N/A | | | 899 | | 267 | N/A | | H | (1530) | |
| 2200 | | N/A | | N/A | N/A | | | N/A | N/A | | | 900 | | 268 | N/A | | H | (1531) | |
| 2201 | | N/A | | N/A | N/A | | | N/A | N/A | | | 900 | | 268 | N/A | | M | (1532) | |

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U |
|-----|-----|-------------|------------|-----------------|-----------------|-------------------------------------|-------------------------------------|----------------------------------|---|--|---|---|----------------------------|--|------------|---------------------------------|-------|-------|---------------------------------------|----------------------------------|
| SOL | ~LS | PRESSURE Pa | EARTH DATE | MAX AIR TEMP °C | MIN AIR TEMP °C | AIR TEMP RANGE °C, YELLOW IF <60 °C | AIR TEMP RANGE °C/40, GREEN IF <1.5 | MAX GROUND TEMP °C, RED IF > 0°C | MIN GROUND TEMP °C, PURPLE IF -90°C OR COLDER | Δ GROUND TEMP DAY TO NIGHT, YELLOW = -80 TO -89, RED = -90 OR COLDER | DAYTIME CHANGE IN TEMP °C AIR TO GROUND | NIGHTTIME CHANGE IN TEMP °C AIR TO GROUND | PRESSURE AT SAME LS IN MSL | Δ PRESSURE YEAR 3 TO YEAR 2 SAME LS, YELLOW = > 7 Pa | ~LS year 2 | PRESSURE YEAR 1 BEFORE REVISION | UV YR | UV YR | (MSL YEAR 2 SOL FOR THIS LS)/COMMENTS | MSL Altitude meters below areoid |

| | | | | | | | | | | | | | | | | | | | | |
|------|-----|---|------------|-----|-----|----|------|-----|-----|----|----|-----|-----|-----|-----|-----|---|--------|--------|--|
| 2202 | | N/A | | N/A | N/A | | | N/A | N/A | | | 896 | | 269 | N/A | | H | (1533) | | |
| 2203 | 270 | Issue on Curiosity preventing it from sending science and engineering data. Spring ends, summer begins. | 10/17/2018 | N/A | N/A | | | N/A | N/A | | | 898 | | 270 | N/A | | H | (1534) | | |
| 2204 | 271 | 854 DATA RESUMES | 10/18/2018 | -14 | -56 | 42 | 1.05 | 7 | -60 | 67 | 21 | -4 | 900 | -46 | 270 | N/A | M | H | (1535) | |