



## **NATIONAL TRANSPORTATION SAFETY BOARD**

Office of Aviation Safety  
Washington, D.C. 20594

May 9, 2018

### **Attachment 8 – SFO Weather, Sun and Moon Data**

# **OPERATIONAL FACTORS**

**OPS17IA014AB**



## MEMORANDUM OF RECORD

Shawn Etcher  
Aviation Safety Investigator  
Operational Factors Division

April 25, 2018

Subject: San Francisco Weather

Time interval: from 02/16/2017 00:00 to 02/16/2017 06:59 UTC

**KSFO, San Francisco, San Francisco International Airport (United States).**  
WMO index: 72494. Latitude 37-37-11N. Longitude 122-21-53W. Altitude 3 m.

### METAR/SPECI from **KSFO, San Francisco, San Francisco International Airport (United States).**

SA 16/02/2017 06:56->	METAR KSFO 160656Z 17014G21KT 10SM SCT017 BKN150 15/11 A2999 RMK AO2 SLP156 T01500106=
SA 16/02/2017 05:56->	METAR KSFO 160556Z 18014KT 10SM FEW016 SCT120 BKN170 16/09 A3000 RMK AO2 SLP160 T01560094 10172 20150 52007=
SA 16/02/2017 04:56->	METAR KSFO 160456Z 17016KT 10SM FEW120 SCT150 BKN180 16/05 A3000 RMK AO2 SLP158 T01610050=
SA 16/02/2017 03:56->	METAR KSFO 160356Z 20019KT 10SM FEW100 BKN120 BKN180 16/04 A2999 RMK AO2 SLP155 T01560039=
SA 16/02/2017 02:56->	METAR KSFO 160256Z 06003KT 10SM FEW110 SCT150 BKN200 16/10 A2998 RMK AO2 SLP153 T01560100 55003=
SA 16/02/2017 01:56->	METAR KSFO 160156Z 00000KT 10SM FEW110 SCT150 BKN200 16/09 A2998 RMK AO2 SLP151 T01610094=
SA 16/02/2017 00:56->	METAR KSFO 160056Z 36003KT 10SM FEW110 SCT140 BKN200 16/11 A2998 RMK AO2 SLP151 T01560106=

No short TAF reports from **KSFO** during solicited interval in the database.

### large TAF from **KSFO, San Francisco, San Francisco International Airport (United States).**

FT 16/02/2017 05:58->	TAF KSFO 160558Z 1606/1712 17015KT P6SM SCT080 OVC120 FM160800 16018KT P6SM OVC050 FM161000 16022G30KT 6SM -RA BR SCT015 OVC025 FM161200 18020G28KT 3SM RA BR SCT010 OVC020 FM161500 22014KT 6SM -SHRA BR BKN012 OVC020 FM162100 27010KT P6SM VCSH SCT015 SCT025 BKN035 FM170300 25005KT P6SM FEW025 SCT040=
FT 16/02/2017 03:28->	TAF AMD KSFO 160328Z 1603/1706 09005KT P6SM BKN110 OVC180 FM160500 15012KT P6SM BKN080 OVC120 FM160800 16017KT P6SM OVC050 FM161000 16022G30KT 6SM -RA BR SCT015 OVC025 FM161200 18020G28KT 3SM RA BR SCT010 OVC020 FM161500 22014KT 6SM -SHRA BR BKN012 OVC020 FM162100 27010KT P6SM VCSH SCT015 SCT025 BKN035 FM170300 25005KT P6SM FEW025 SCT040=

# Sun and Moon Data for One Day

## U.S. Naval Observatory Astronomical Applications Department

San Mateo, San Mateo County, CA (Longitude W122° 19', Latitude N37° 33')

Wednesday, February 15, 2017

Pacific Standard Time

### Sun

Begin civil twilight	6:31 a.m.
Sunrise	6:58 a.m.
Sun transit	12:23 p.m.
Sunset	5:49 p.m.
End civil twilight	6:16 p.m.

### Moon

Moonrise	9:48 p.m. on preceding day
Moon transit	3:48 a.m.
Moonset	9:41 a.m.
Moonrise	10:45 p.m.

Closest Primary Moon Phase: Last Quarter on February 18, 2017 at 11:33 a.m. (local standard time)

Phase of the Moon on February 15, 2017: Waning Gibbous with 77% of the Moon's visible disk illuminated.



Moon image not available.

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