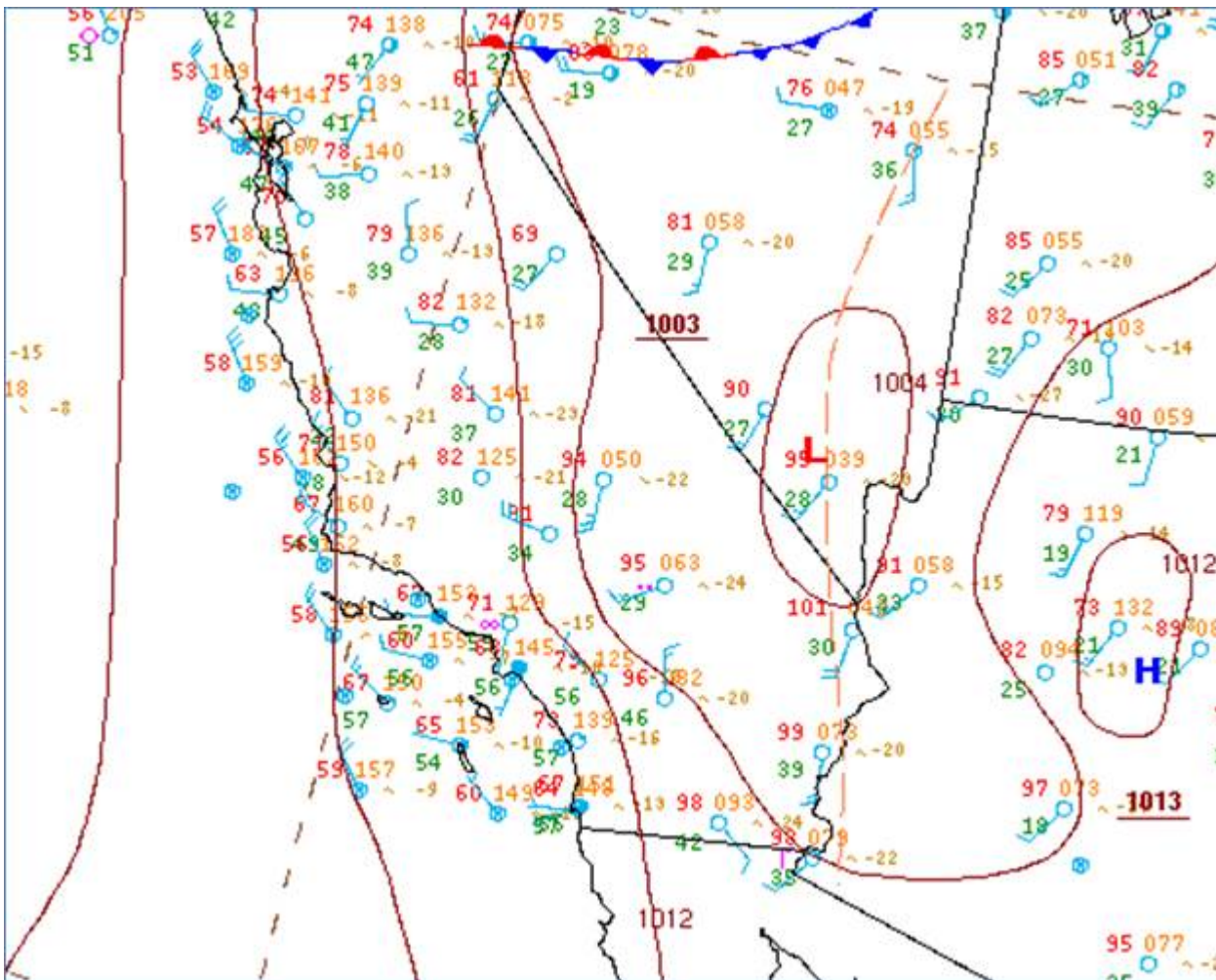


Stein Stephen

From: Eick Donald
Sent: Tuesday, August 09, 2016 6:28 AM
To: Stein Stephen
Subject: WPR16LA125 - Bishop, CA Weather Information

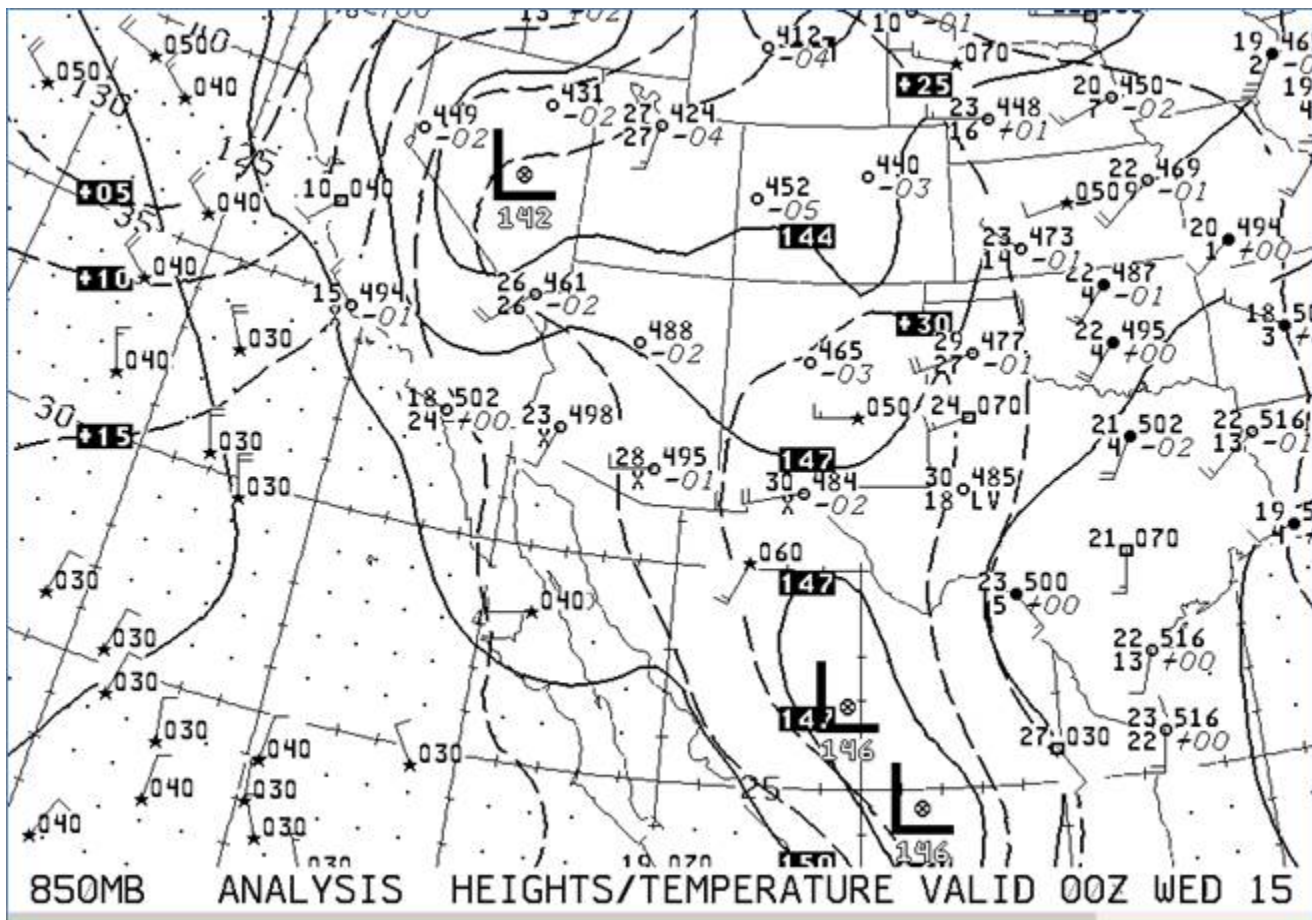
Weather Conditions on June 14, 2016 over California

Synoptic conditions – the western portion of the NWS Surface Analysis Chart for 1400 PDT (2100Z) on June 14, 2016 is included below. The chart depicted a thermal low pressure system at 1003-hectopascals (hPa) over southern Nevada with a trough of low pressure extending northward. The chart depicted a 12-hPa pressure gradient across southern California and supported strong gusty winds over the mountainous regions of eastern California. The station models depicted temperatures in the 90's degrees Fahrenheit (F) along the general route of flight.



A review of the NWS National composite radar mosaic for the period indicated no significant radar echoes over the region, and as a result was not reproduced.

A review of the NWS constant pressure charts for 850-hPa depicted the thermal low pressure system located over central Nevada with a defined long wave trough extending over the region. The 700-hPa chart continued to depict a trough but did not show the circulation features of a low over the region.



Area Forecast (FA) – over the region:

FAUS46 KCCI 141945

FA6W

-SFOC FA 141945

SYNOPSIS AND VFR CLDS/WX

SYNOPSIS VALID UNTIL 151400

CLDS/WX VALID UNTIL 150800...OTLK VALID 150800-151400

WA OR CA AND CSTL WTRS

SEE AIRMET SIERRA FOR IFR CONDS AND MTN OBSCN.

TS IMPLY SEV OR GTR TURB SEV ICE LLWS AND IFR CONDS.

NON MSL HGTS DENOTED BY AGL OR CIG.

SYNOPSIS...ALF..19Z LO PRESS OVR SRN BC WITH STG WSWLY FLOW ACRS
OR/NRN CA. MDT-STG SWLY FLOW ACRS WA. MDT WLY FLOW ACRS CNTRL CA.
LGT FLOW ELSW. BY 14Z ELONGATED LOW OVER SRN BC WITH STG SWLY
FLOW ACRS NRN CA/ERN OR/SERN WA. MDT SWLY FLOW RMNDR. SFC..CDFNT
ACRS NRN CA. BY 14Z NO SIG FEATURES OVR RGN.

NRN CA...STS-SAC-TVL LN NWD

CSTL SXNS...

CSTLN...SCT-BKN050 TOP 070. 01Z SCT050 SCT CI. OTLK...VFR.

INLAND...SCT-BKN CI. 03Z SCT035 SCT CI. OTLK...VFR.

SAC VLY...BKN CI. 04Z SCT CI. OTLK...VFR.

SHASTA-SISKIYOU-SERN CA...SCT-BKN120 TOP 150. 05Z SCT120 SCT CI. OTLK...VFR.

NRN SIERNEV...BKN CI. WND SW 20G30KT. 04Z SCT CI. OTLK...VFR.

.
 CNTRL CA
 CSTL SXNS...
 CSTLN...SKC OR SCT CI. 04Z SCT020. OTLK...VFR 11Z MVFR CIG.
 INLAND...SKC OR SCT CI. OTLK...VFR.
 SAN JOAQUIN VLY...SKC. 00Z SCT CI. OTLK...VFR.
 SRN SIERNEV...SKC. WND SW G25KT. 04Z SCT CI. OTLK...VFR.
 .
 SRN CA..VBG-NID-60NNW BIH LN SWD
 CSTL SXNS...
 CSTLN...BKN020 TOP 030. 21Z SCT020. OTLK...VFR 10Z MVFR CIG.
 INLAND...SKC OR SCT015. 21Z SKC. OTLK...VFR 11Z MVFR CIG.
 INTR MTNS-MOJAVE-SRN DESERTS...SKC. TIL 03Z WND SW 20G30KT. OTLK...VFR.
 IMPERIAL-COACHELLA VLYS...SKC. TIL 04Z WND NW G25KT. OTLK...VFR.
 .
 CSTL WTRS
 CA...
 N OF RZS...SCT015 SCT CI. WND NW G25KT. OTLK...VFR WND. S OF RZS...
 NRSHR...BKN015 TOP 025. WND NW G25KT. OTLK...MVFR CIG WND.
 OFFSHR...SCT015. AFT 00Z WND NW G25KT. OTLK...VFR WND.

In-Flight Weather Advisories – a review of the AIRMETs indicated that 2 AIRMETs were issued for mountain obscuration during the period but did not apply to the route of flight. There were no advisories current for any large areas of IFR conditions or moderate or greater icing conditions over the route of flight outside of convective clouds. The NWS did have AIRMETs current for moderate turbulence from the surface to 16,000 feet.



WAUS46 KKCI 142045
 WA6T
 SFOT WA 142045
 AIRMET TANGO UPDT 3 FOR TURB VALID UNTIL 150300
 .

AIRMET TURB...CA AND CSTL WTRS
 FROM 20W BTY TO 60S EED TO 40E MZB TO 40WSW TRM TO 30NNW LAX TO 40WSW RZS TO 20W BTY

MOD TURB BLW 120. CONDS CONTG BYD 03Z THRU 09Z.

.
AIRMET TURB...WA OR CA ID MT WY NV UT AND CSTL WTRS
FROM 20SW YXC TO 40N GGW TO 70ENE OCS TO 20W BTY TO 40WSW RZS TO
50SW OAK TO 50W PYE TO 80WSW OED TO 40E BTG TO 60WSW YXC TO 20SW YXC
MOD TURB BLW 160. CONDS CONTG BYD 03Z THRU 09Z.

WAUS46 KPCI 141445
WA6T
SFOT WA 141445
AIRMET TANGO UPDT 2 FOR TURB VALID UNTIL 142100

.
AIRMET TURB...WA OR CA ID MT WY NV UT AND CSTL WTRS
FROM 60WSW YXC TO 70SE YQL TO 80SW DDY TO 60ENE SLC TO 40NW TWF TO 20S OAL TO 60WSW BTY TO 50W RZS TO 50W PYE
TO
50NNW FOT TO 20N BTG TO 60WSW YXC
MOD TURB BLW 160. CONDS CONTG BYD 21Z THRU 03Z.

.
AIRMET TURB...CA
FROM BTY TO EED TO 40NNE BZA TO 40N MZB TO 30NNE LAX TO 30NNW RZS TO 60WSW BTY TO BTY
MOD TURB BLW 120. CONDS DVLPG 18-21Z. CONDS CONTG BYD 21Z THRU 03Z.

.
OTLK VALID 2100-0300Z...TURB WA OR CA ID MT WY NV UT AND CSTL WTRS
BOUNDED BY 60WSW YXC-50N GGW-60S BIL-80SW DDY-20SW SLC-60WSW BTY-40W RZS-50SW OAK-50W PYE-80WSW OED-40E
BTG-60WSW YXC
MOD TURB BLW 160. CONDS CONTG THRU 03Z.

Terminal Forecasts (TAF) – along the route of flight:

TAF KPMD 141733Z 1418/1518 28008G17KT P6SM SKC
FM142000 26022G32KT P6SM SKC
FM150300 26015G23KT P6SM SKC
FM150800 25012KT P6SM SKC

TAF KWJF 141733Z 1418/1518 27021KT P6SM SKC
FM142000 26022G32KT P6SM SKC
FM150500 25017G25KT P6SM SKC
FM150900 VRB03KT P6SM SKC

TAF TAF AMD KEDW 141852Z 1418/1524 25015G25KT 9999 SKC 520009 QNH2986INS
BECMG 1420/1421 25025G35KT 9999 SKC 530009 QNH2982INS
BECMG 1501/1502 26020G30KT 9999 SKC 520009 QNH2983INS
BECMG 1505/1506 24015G25KT 9999 SKC 520009 QNH2985INS
BECMG 1518/1519 25020G30KT 9999 SKC 520009 QNH2987INS TX32/1421Z TN15/1512Z

TAF TAF KNID 1415/1515 21007KT 9999 FEW200 QNH2976INS WND 21010G18KT AFT 1419
BECMG 1419/1421 21015KG24KT 9999 FEW090 510005 QNH2973INS WND 180V250
BECMG 1421/1423 22022G33KT 9999 VCBLDU FEW100 530009 520906 QNH2971INS
BECMG 1502/1503 25015G25KT 9999 NSW SKC 510009 QNH2973INS
BECMG 1506/1508 22012KT 500000 QNH2976INS T35/1422Z T19/1513Z

TAF KBIH 141720Z 1418/1518 VRB05KT P6SM FEW250
FM142000 19012G22KT P6SM FEW130 SCT250
FM142300 25010G18KT P6SM FEW130 SCT250
FM150600 34008KT P6SM FEW250

TAF KMMH 141734Z 1418/1518 20012G24KT P6SM SKC

FM142000 24016G28KT P6SM SCT180

FM150100 29015G26KT P6SM SCT100 SCT180

FM150400 31009G17KT P6SM FEW100 SCT180

FM151700 21020G30KT P6SM SCT050

Pilot Reports (UA/UUA) – reported over California

MMH UA /OV MVA-FMG156124 /TM 1737 /FL125 /TP C177 /TB LGT-MOD 105-125=

TRM UA /OV TNP/TM 2340/FL095/TP C172/TB LGT-MOD 095/RM ZLAWC AWC-WEB:SWA=

MMH UA /OV MVA-FMG156124 /TM 1737 /FL125 /TP C177 /TB LGT-MOD 105-125=

Winds and Temperature Aloft Forecast – the forecast wind model for the period was issued at 0659 PDT, and valid for 1100 PDT and for use between 0700 and 1400 PDT. The forecast winds below 12,000 feet were as follows:

FBUS31 KWN0 141359 2016166 1400

FD1US1

DATA BASED ON 141200Z

VALID 141800Z FOR USE 1400-2100Z. TEMPS NEG ABV 24000

FT	3000	6000	9000	12000
ONT	9900	2908+16	2810+12	2713+07
WJF		3018+16	2914+12	2817+07
BIH		9900	9900+11	2313+04
FAT	3210	9900+11	2709+07	2722+02
SAC	3206	2710+08	2616+04	2725+00
RNO		2514	2516+04	2527-01

The forecast valid for 1700 PDT and for use between 1400 and 2300 PDT was as follows:

FBUS33 KWN0 141359 2016166 1400

FD3US3

DATA BASED ON 141200Z

VALID 150000Z FOR USE 2100-0600Z. TEMPS NEG ABV 24000

FT	3000	6000	9000	12000
ONT	2409	2611+17	2713+12	2616+08
WJF		2721+16	2817+12	2619+07
BIL		2224	2225+11	2329+02
FAT	3112	2405+13	2307+07	2618+03
SAC	9900	2405+07	2411+03	2622+00
RNO		2517	2518+05	2422+00

Advise if you need any additional information.

Donald E. Eick

Senior Meteorologist

National Transportation Safety Board

Thursday

