

DOT 24-1998

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NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

October 6, 1998

Meteorology

**Meteorological Factual Report
by James T. Skeen, Jr.**

A. ACCIDENT

Location: Van Nuys, California
Date: June 16, 1998
Time: 0514 Pacific daylight time
Aircraft: Mooney M20R, N130RB
NTSB Number: LAX98FA199

B. GROUP

Chairman: James T. Skeen, Jr.
Senior Meteorologist
National Transportation Safety Board
Washington, D.C.

Member: None

C. SUMMARY

On June 16, 1998, about 0514 hours Pacific daylight time, a Mooney M20R, N130RB, operated by the pilot was destroyed during collision with a residence at Van Nuys, California. The pilot and passenger both received fatal injuries. Instrument meteorological conditions prevailed, and no flight plan was filed. According to airport police at 0512, the aircraft departed from runway 16R without radio transmission. The air traffic control tower was closed at the time of the departure.

According to a family member, the pilot was en route to Minneapolis, Minnesota, for an appointment at the Mayo Clinic.

The Meteorological Group Chairman did not participate in the on-scene investigation.

D. DETAILS OF INVESTIGATION

Note: In the report all times are Pacific daylight time (pdt) based on the 24-hour clock unless noted. All heights are above mean sea level (msl) unless noted. Heights in surface weather observations and terminal aerodrome forecasts are above ground level (agl). All directions refer to true north unless noted. All distances are in statute miles unless noted. Coordinated Universal Time (UTC) = pst + 7 hours. UTC = Z.

1. Synoptic Situation

A Surface Analysis chart prepared by the National Weather Service (NWS) National Centers for Environmental Prediction (NCEP) for 0500 June 16 showed a complex area of low pressure extending from eastern Montana southwestward into western Arizona and southeastern California. The chart indicated that a weak cold front extended from the Montana low southward to northern Colorado and then stretched westward through northern California. The chart indicated generally visual meteorological conditions (VMC) from eastern California through the upper Midwest. See attachment one.

The NCEP 700 millibar (about 10,000 feet) Analysis chart for 0500 Jun 16 showed a that a low pressure center was located over southern Montana. The chart indicated a fairly dry atmosphere and mostly light to moderate westerly winds over the southwestern United States. See attachment two.

2. Surface Aviation Weather Observations

Selected surface weather observations for Van Nuys Airport, in part, follow:

Van Nuys (KVNY), California

field elevation 799 feet msl, departure airport, augmented Automated Surface Observing System (ASOS)

Time—0351; type—METAR; wind—150 degrees at 4 knots; visibility—2 ½ miles; present weather—mist; sky condition—overcast 400 feet; temperature—16 degrees C; dew point—14 degrees C; altimeter setting—29.82 inches hg; remarks—augmented.

Time—0438; type—SPECI; wind—150 degrees at 6 knots; visibility—2 ½ miles; present weather—mist; sky condition—overcast 600 feet; temperature—16 degrees C; dew point—14 degrees C; altimeter setting—29.81 inches hg; remarks—augmented ceiling 400 feet variable 900 feet.

Time—0451; type—METAR; wind—130 degrees at 4 knots; visibility—2 ½ miles; present weather—mist; sky condition—overcast 600 feet; temperature—16 degrees C; dew point—14 degrees C; altimeter setting—29.82 inches hg; remarks—augmented ceiling 400 feet variable 900 feet.

Time—0509; type—METAR; wind—130 degrees at 6 knots; visibility—3 miles; present weather—mist; sky condition—overcast 900 feet; temperature—16 degrees C; dew point—14 degrees C; altimeter setting—29.82 inches hg; remarks—augmented.

Time—0540; type—METAR; wind—140 degrees at 7 knots; visibility—3 miles; present weather—haze; sky condition—overcast 1,100 feet; temperature—16 degrees C; dew point—13 degrees C; altimeter setting—29.82 inches hg; remarks—augmented.

Burbank (KBUR), California

field elevation 775 feet msl, augmented ASOS, located approximately 101 degrees at 6 nautical miles from KVNY

Time—0353; type—METAR; wind—110 degrees at 6 knots; visibility—4 miles; present weather—mist; sky condition—overcast 700 feet; temperature—17 degrees C; dew point—14 degrees C; altimeter setting—29.82 inches hg; remarks—augmented.

Time—0453; type—METAR; wind—150 degrees at 7 knots; visibility—4 miles; present weather—mist; sky condition—overcast 700 feet; temperature—17 degrees C; dew point—14 degrees C; altimeter

setting—29.81 inches hg; remarks—augmented ceiling 700 feet variable 1,100 feet.

Time—0534; type—SPECI; wind—150 degrees at 6 knots; visibility—2 ½ miles; present weather—mist; sky condition—overcast 700 feet; temperature—16 degrees C; dew point—15 degrees C; altimeter setting—29.82 inches hg; remarks—augmented.

Point Mugu Naval Air Station (KNTD), California

field elevation 7 feet msl, manual observation, located approximately 259 degrees at 32 nautical miles from KVVY

Time—0355; type—METAR; wind—240 degrees at 3 knots; visibility—2 miles; present weather—light drizzle mist; sky condition—broken 500 feet overcast 1,000 feet; temperature—16 degrees C; dew point—15 degrees C; altimeter setting—29.81 inches hg; remarks—first observation.

Time—0455; type—METAR; wind—calm; visibility—2 miles; present weather—light drizzle mist; sky condition—overcast 400 feet; temperature—15 degrees C; dew point—15 degrees C; altimeter setting—29.81 inches hg.

Time—0555; type—METAR; wind—calm; visibility—2 miles; present weather—light drizzle mist; sky condition—broken 400 feet overcast 1,000 feet; temperature—15 degrees C; dew point—15 degrees C; altimeter setting—29.81 inches hg.

Mount Wilson (KMWS), California

field elevation 5,705 feet msl, manual observation, located approximately 088 degrees at 21 nautical miles from KVVY

Time—0458; type—METAR; wind—280 degrees at 4 knots; visibility—90 miles; present weather—none; sky condition—scattered missing clear; temperature—15 degrees C; dew point—6 degrees C; altimeter setting—not available; remarks—cirrus bands north-northeast.

Sandburg (SDB), California

field elevation 4,518 feet msl, unaugmented ASOS, located approximately 340 degrees at 34 nautical miles from KVVY

Time—0350; type—METAR; wind—270 degrees at 10 knots; visibility—10 miles; present weather—none; sky condition—clear; temperature—17 degrees C; dew point—10 degrees C; altimeter setting—29.90 inches hg.

Time—0450; type—METAR; wind—250 degrees at 8 knots; visibility—10 miles; present weather—none; sky condition—clear; temperature—16 degrees C; dew point—10 degrees C; altimeter setting—29.90 inches hg.

Time—0550; type—METAR; wind—220 degrees at 6 knots; visibility—7 miles; present weather—none; sky condition—clear; temperature—13 degrees C; dew point—11 degrees C; altimeter setting—29.89 inches hg.

See attachment three for transmitted weather observations from southern California during the period from 0145 to 0615, inclusive.

3. Pilot Reports (PIREPs)

PIREPs for California archived at the National Climatic Data Center (NCDC), Asheville, North Carolina, were obtained for the period from 0200 to 0800, inclusive. Following is a selected PIREP:

Location—Pomona; time—0552; altitude—unknown; type aircraft—APCH; sky condition—tops 3,000 feet.

See attachment four for all the transmitted PIREPs for California during the above period.

4. Winds Aloft Data

Upper air stations at San Diego (72293) and Vandenberg Air Force Base (74606) were the nearest representative upper air sites to the Van Nuys area. Note: The upper air sounding from Edwards Air Force Base (035 degrees at 51 nautical miles) was not considered representative of the atmospheric conditions near the surface in the Van Nuys area.

Following are the upper air data for 72293 and 74606, as obtained through McIDAS¹. The nominal time of the data is 0500 (1200 UTC).

San Diego (72293)

located approximately 140 degrees at 105 nautical miles from KVNY

STATION: 72293	DAY/TIME: 98167	120000	LAT/LONG: 328500	1171166	
LEVEL	TEMP	DEW PT	DIR	SPEED	HEIGHT
(MB)	(°C)	(°C)	(°T)	(MPS)	(M)
994.0	16.6	14.8	180.0	4.1	128.0
973.6	14.6	13.9	190.0	3.6	304.0
965.0	13.8	13.5	191.2	3.6	379.8

¹ Man computer Interactive Data System (McIDAS) is a meteorological and data analyses computer-based system developed by the Space Science and Engineering Center at the University of Wisconsin.

939.1	12.6	12.3	195.0	3.6	609.0
925.0	12.0	11.6	215.0	3.6	736.7
905.6	11.2	10.7	265.0	2.5	914.0
901.0	11.0	10.5	270.0	2.9	957.2
888.0	15.2	14.0	284.0	4.2	1079.8
886.0	15.4	11.8	286.2	4.4	1099.0
873.6	15.5	8.5	300.0	5.6	1219.0
859.0	15.6	4.6	293.8	6.6	1362.0
850.0	15.0	6.0	290.0	7.2	1451.4
825.0	15.4	-32.6	293.3	7.5	1704.2
812.9	15.4	-33.3	295.0	7.7	1829.0
808.0	15.4	-33.6	295.0	8.0	1880.3
804.0	15.2	-8.8	295.0	8.2	1922.2
795.0	14.6	-27.4	295.0	8.6	2017.3
790.0	14.2	1.2	295.0	8.9	2070.6
784.1	13.7	4.0	295.0	9.2	2134.0
781.0	13.4	5.4	293.9	9.4	2167.3
774.0	13.4	-23.6	291.4	10.0	2243.1
755.1	12.8		285.0	11.3	2439.0
726.7	11.8		290.0	11.3	2743.0
700.0	10.8		285.0	10.2	3039.4
672.8	9.5		275.0	11.3	3353.0
647.4	8.2		275.0	10.2	3658.0
617.0	6.6		284.4	9.3	4039.7
599.5	5.1		290.0	8.7	4268.0
555.1	1.1		275.0	8.7	4878.0
532.0	-1.1		270.9	7.4	5214.3
500.0	-4.7		265.0	5.6	5706.0
494.6	-5.4		265.0	5.6	5792.0
475.9	-7.8		265.0	5.1	6097.0
400.0	-18.9		290.0	3.0	7474.3
391.9	-20.1		290.0	3.0	7621.0
317.1	-32.8		295.0	4.1	9146.0
300.0	-36.1		280.0	3.0	9545.0
254.3	-45.2		295.0	5.6	10670.0
250.0	-46.1		310.0	7.2	10784.7
231.8	-49.7		320.0	7.7	11280.0
212.0	-53.9		310.4	6.2	11862.7
211.1	-54.0		310.0	6.1	11890.0
200.0	-55.5		275.0	12.8	12235.7
191.7	-56.6		270.0	17.4	12500.0
157.8	-61.8		280.0	27.7	13719.0
150.0	-63.1		280.0	28.2	14038.4
136.0	-65.5		280.0	26.7	14638.0
123.1	-66.0		285.0	23.6	15243.0
105.0	-66.9		292.9	19.6	16206.7
100.6	-66.4		295.0	18.5	16463.0
100.0	-66.3		295.0	18.0	16502.0
94.7	-67.1				16831.4
70.0	-69.1				18647.2

63.2	-61.7	19269.3
54.1	-58.5	20239.8
43.9	-58.9	21552.6
23.9	-48.1	25465.9
15.2	-46.5	28461.0
9.0	-36.5	32018.2

PARCEL: DEW PT.=285.7 POT. TEMP=297.8 EQUIV.POT.TEMP=325.9
 MIX=10.3 PRECIP.WATER=15.9 CONV.TEMP=46.2 FCST MAX=24.1 LIFTED
 INDEX=8.4 TOTALS=30.4 EQUIL.PRES.=531.0 K-INDEX=-24.3 SWEAT
 INDEX=110.9

Vandenberg AFB (74606)

located approximately 285 degrees at 106 nautical miles from KVNY

STATION:74606 DAY/TIME:98167 120000 LAT/LONG:346500 1205666

LEVEL (MB)	TEMP (°C)	DEW PT (°C)	DIR (°T)	SPEED (MPS)	HEIGHT (M)
974.5	11.9	10.7	315.0	3.0	304.0
958.0	11.0	10.1	317.3	3.5	447.1
939.6	10.0	9.1	320.0	4.1	609.0
932.0	9.6	8.7	322.6	4.6	676.7
929.0	11.6	10.7	323.6	4.8	703.7
925.0	11.2	4.2	325.0	5.1	739.8
923.0	11.0	1.0	326.6	5.4	757.9
919.0	10.4	-8.6	329.7	6.1	794.1
905.8	8.1	-15.6	340.0	8.2	914.0
905.0	8.0	-16.0	339.4	8.2	921.2
901.0	9.2	-12.8	336.4	8.3	957.8
900.0	9.6	-12.4	335.7	8.3	967.0
896.0	22.2	-3.8	332.6	8.3	1004.8
874.1	20.9	-2.7	315.0	8.7	1219.0
869.0	20.6	-2.4	315.0	8.8	1269.4
850.0	19.6	-3.4	315.0	9.2	1459.8
814.1	17.3	-5.7	305.0	9.7	1829.0
809.0	17.0	-6.0	305.0	9.6	1882.8
785.4	15.6	-5.4	305.0	9.2	2134.0
757.6	13.9	-4.6	305.0	9.2	2439.0
752.0	13.6	-4.4	306.0	9.2	2501.6
730.6	11.8	-3.8	310.0	9.2	2743.0
700.0	9.2	-2.8	305.0	9.7	3100.5
699.0	9.2	-2.8	305.2	9.7	3112.4
654.3	7.7	-8.6	315.0	10.8	3658.0
630.6	6.9	-11.8	320.0	12.8	3963.0
628.0	6.8	-12.2	319.4	12.8	3996.6
607.5	6.0	-14.6	315.0	12.8	4268.0
589.0	5.2	-16.8	312.9	12.0	4521.6
563.4	2.5	-19.0	310.0	10.8	4878.0
502.7	-4.6	-24.6	305.0	8.2	5792.0
500.0	-4.9	-24.9	305.0	8.2	5834.6

483.4	-6.9	-26.6	300.0	8.7	6097.0
456.0	-10.5	-29.5	292.5	9.4	6551.5
446.7	-11.8	-30.6	290.0	9.7	6707.0
400.0	-18.7	-36.7	295.0	9.7	7544.4
395.9	-19.3	-37.1	295.0	9.7	7621.0
362.0	-24.9	-40.9	295.0	9.5	8279.8
320.6	-33.1	-46.7	295.0	9.2	9146.0
311.0	-35.1	-48.1	295.0	9.6	9361.8
307.0	-35.7	-48.7	295.0	9.7	9451.0
300.0	-36.9	-49.9	300.0	9.7	9612.0
256.6	-45.5	-56.8	310.0	10.2	10670.0
250.0	-46.9	-57.9	310.0	10.2	10847.5
233.0	-51.3	-62.3	319.4	10.6	11309.9
223.2	-53.4	-64.1	325.0	10.8	11585.0
202.9	-58.0	-68.1	310.0	8.7	12195.0
200.0	-58.7	-68.7	310.0	8.7	12286.1
193.0	-60.5	-69.5	304.4	9.7	12509.0
176.0	-62.7	-71.7	290.0	12.3	13080.6
161.0	-63.3	-72.3	281.4	17.2	13629.1
158.7	-63.4	-72.4	280.0	18.0	13719.0
151.0	-63.8	-72.8	285.0	22.1	14024.0
150.0	-63.9	-72.9	285.0	22.1	14063.6
138.0	-61.7	-70.7	289.4	20.5	14577.5
123.8	-63.1	-72.1	295.0	18.5	15243.0
101.5	-65.7	-74.7	290.0	15.4	16463.0
100.0	-65.9	-74.9	295.0	15.4	16553.3
87.0	-68.3	-76.3			17394.1
76.4	-67.7	-75.7			18175.1
58.3	-59.9	-68.9			19833.7
55.5	-61.5	-70.5			20140.1
48.5	-57.3	-67.3			20984.5
37.1	-58.3	-68.3			22675.2
33.1	-54.1	-65.1			23400.4
24.4	-51.9	-62.9			25367.6
12.8	-43.1	-57.1			29633.1
9.4	-35.3	-51.3			31749.5
6.7	-33.3	-50.3			34119.3
6.4	-33.7	-50.7			34440.9

PARCEL: DEW PT.=277.6 POT. TEMP=303.4 EQUIV.POT.TEMP=320.2
 MIX=5.9 PRECIP.WATER=17.9 CONV.TEMP=53.2 FCST MAX=30.0 LIFTED
 INDEX=11.3 TOTALS=26.0 EQUIL.PRES.=624.5 K-INDEX=9.1 SWEAT
 INDEX=51.7

See attachment five for McIDAS skew-t log-p plots for the above stations.
 The plots show the 0500 data from the surface to about 10,000 feet.

5. Satellite Data

GOES-9 (Geostationary Operational Environmental Satellite-9) images centered on the accident area were obtained through McIDAS and displayed on an NTSB McIDAS workstation. Nominal resolution of the infrared data was four kilometers. Note: Visible data were not available around the accident time.

Attachments six and seven - Attachments six and seven depict McIDAS plots (4X magnification) of the infrared (band four) channel for 0500 (1200 UTC) and 0530 (1230 UTC). The images are contrast-stretched. A map background, KVNY, KBUR, KMWS, KNTD, KSDB, 72293, and 74606 are overlaid on the images. In addition, the approximate accident location is annotated on a *.

The infrared (band four) data for 0500 and 0530 indicated that the radiative temperature in vicinity of KVNY were 283.9 degrees Kelvin (10.9 degrees C) and 284.1 degrees Kelvin (11.1 degrees C).

6. NWS Forecasts and Advisories

Terminal Aerodrome Forecast (TAF)

The TAF and amendment for KVNY, prepared by the Los Angeles Forecast Office, in part, follows:

Issued June 16, 0425

Valid June 16, 0500 to June 17, 0500

Wind variable at 3 knots, visibility 3 miles, mist, clouds overcast 400 feet

Temporary 0500 to 0700 visibility 2 miles, mist

From 0700 wind variable at 3 knots, visibility 3 miles, mist, clouds overcast 600 feet

From 0900 wind variable at 3 knots, visibility 4 miles, mist, clouds overcast 1,000 feet

From 1000 wind 150 degrees at 8 knots, visibility 5 miles, haze, clouds scattered 1,200 feet

From 1300 wind 140 degrees at 12 knots, visibility greater than 6 miles, clear

From 2100 wind 150 degrees at 7 knots, visibility greater than 6 miles, clear

From June 17, 0000 wind variable 3 knots, visibility 5 miles, mist, clouds overcast 1,000 feet

Issued June 16, 0513 Amendment

Valid June 16, 0500 to June 17, 0500

Wind variable at 3 knots, visibility 3 miles, mist, clouds overcast 900 feet

Temporary 0500 to 0700 visibility 2 miles, mist, clouds overcast 1,000 feet

From 0700 wind variable at 3 knots, visibility 3 miles, mist, clouds overcast 1,000 feet
From 1000 wind 150 degrees at 8 knots, visibility 5 miles, haze, clouds scattered 1,200 feet
From 1300 wind 140 degrees at 12 knots, visibility greater than 6 miles, clear
From 2100 wind 150 degrees at 7 knots, visibility greater than 6 miles, clear
From June 17, 0000 wind variable 3 knots, visibility 5 miles, mist, clouds overcast 1,000 feet

See attachment eight for southern California TAFs issued during the period from 0400 to 0600, inclusive.

Aviation Area Forecast (FA)

The valid FA for the Pacific Coast Area issued by the Aviation Weather Center (AWC) at Kansas City, Missouri, in part, follows:

Pacific Coast Area

Issued: June 16, 0345

Synopsis and VFR Clouds/Weather

Synopsis valid until June 16, 2200

Clouds/Weather valid until June 16, 1600...Outlook valid June 16, 1600-2200

WA OR CA and Coastal Waters

See AIRMET SIERRA for IFR conditions and mountain obscuration.

Thunderstorm imply severe or greater turbulence severe ice low level wind shear and IFR conditions.

Non msl heights denoted by agl or ceiling.

Synopsis...at 0300 low was over northeastern Montana with cold front curving through northern Utah to northern California. By 2200 low will be over western Kansas with cold front across southern Colorado..southern Nevada and central California. Associated upper level low over southern Idaho will move to northern Wyoming.

Southern California...VBG-NID-60NNW BIH line southward

Coast line...overcast 1,000 feet. Visibility 3-5 miles mist. Tops 2,500 feet. 1100 scattered 1,000-1,500. Outlook...marginal visual flight rules ceiling.

Remainder coastal sections... broken 1,500 feet. Visibility 3-5 miles mist.
Tops 3,000 feet. 0900-1100 clear. Occasional visibility 3-5 miles haze.
Outlook...visual flight rules.
Interior mountains and deserts...clear. Occasional scattered 14,000 feet
extreme northern portion after 1200. Outlook...visual flight rules.

See attachment nine.

In-Flight Advisories

AIRMETs valid for the accident area and issued by the AWC, in part,
follow:

AIRMET SIERRA

Issued: June 16, 0045

AIRMET SIERRA Update 1 for IFR and Mountain Obscuration valid until
June 16, 0700

AIRMET IFR... CA and coastal waters

From SFO to SBA to 60E LAX to 30SE SAN to 250SW SAN to 150SW
SNS to SFO

Occasional ceiling below 1,000 feet visibility below 3 miles mist.
Conditions continuing beyond 0700...ending land sections by
1100...continuing coastal waters through 1300.

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Note: An amendment to AIRMET SIERRA issued at 0400 was not
applicable to southern California.

AIRMET TANGO

Issued: June 16, 0045

AIRMET TANGO Update 1 for Turbulence valid until June 16, 0700

AIRMET Turbulence...WA OR CA ID NV UT WY CO AZ NM

From YDC to BOI to LAR to AKO to TBE to LVS to LAS to FAT to FOT to
TOU to YDC

Occasional moderate turbulence below FL180. Conditions continuing beyond 0700 through 1300.

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See attachment ten for AIRMETs issued during the period from June 15, 2000 to June 16, 0600, inclusive.

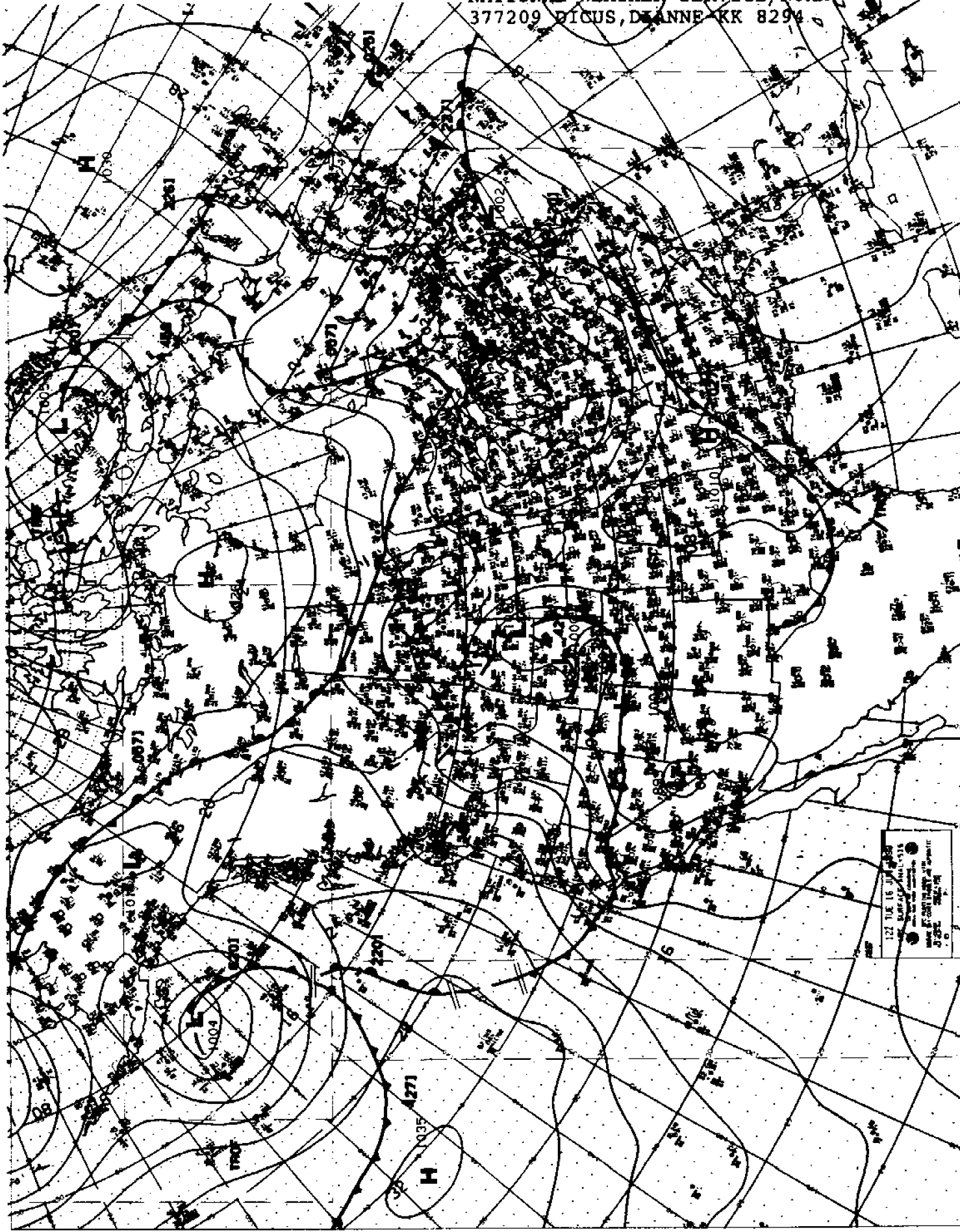
Notes: AIRMET ZULU for icing valid at the accident time was not applicable to southern California. No Convective SIGMETs, Non-convective SIGMETs, or Center Weather Advisories were issued valid for the accident area.

7. Astrological Data

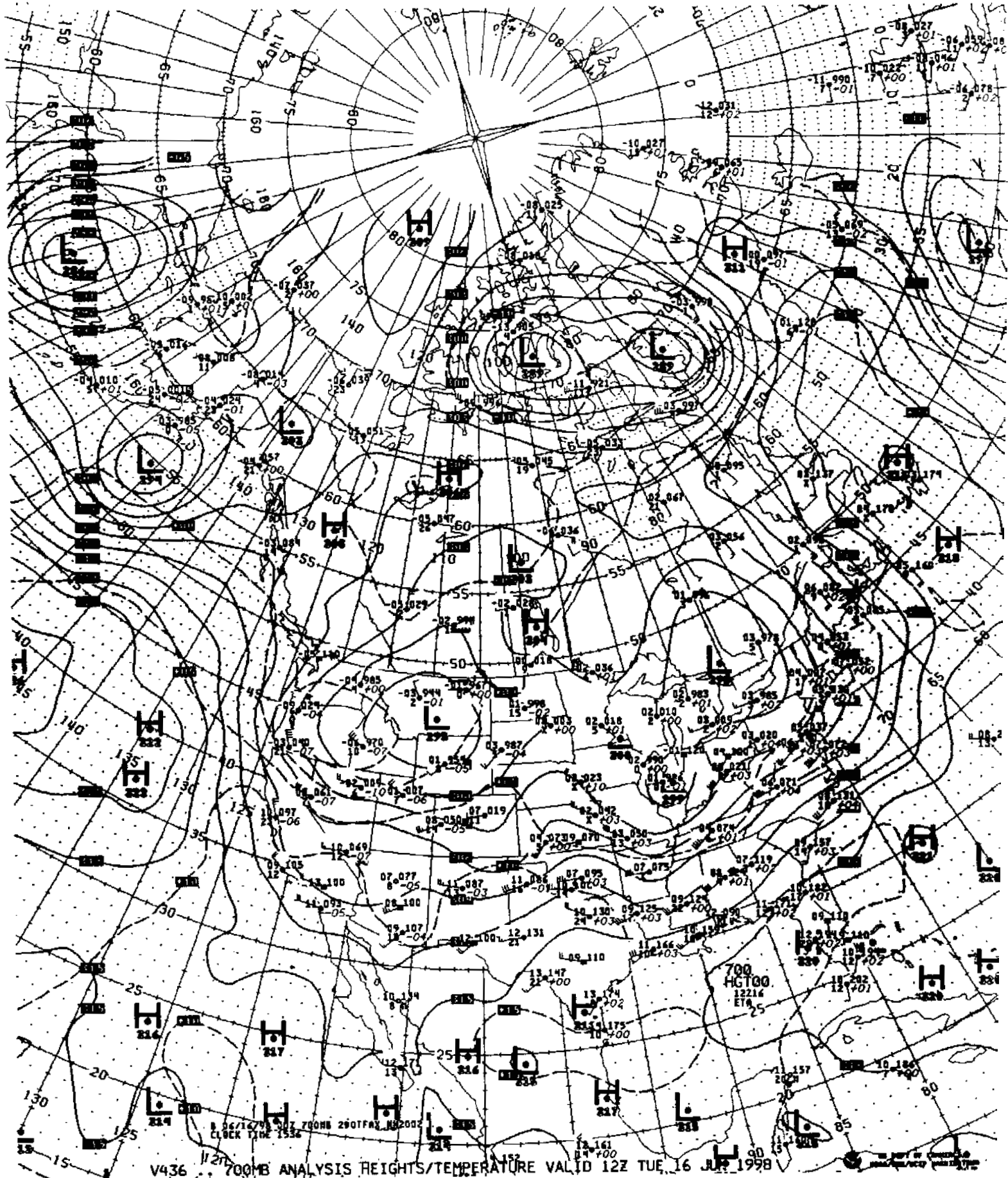
Sunrise and twilight information for Van Nuys for June 16 is found in attachment eleven.

~~for 7:00~~
James T. Skeen, Jr.
Senior Meteorologist
10-20-98

Attachments:



NOAA
377209 DIANNE DICUS-CH 2285



ATCH THREE

*** SRRS PRODUCT RETRIEVAL ***

FOR

06/16/98 0845 UTC TO 06/16/98 1315 UTC

TTAA00 KSN 160351
METAR KSN 160351Z VRB03KT 10SM OVC012 17/14 A2937 RMK A02 SLP115
T01720144 58010
TTAA00 KSD 160850
METAR KSD 160850Z AUTO 27012KT 10SM CLR 17/09 A2994 RMK A02 SLP083
T01720094 58010 TSN0
TTAA00 KLAX 160350
METAR KLAX 160350Z 08003KT 3SM BR OVC009 17/16 A2934 RMK A02 SLP102
T01720150 58015
SXUS90 KABC 160900
METAR KJF 160650Z 22015KT 25SM SKC 20/08 A2979 RMK T01950081=
TTAA00 KCZ 160852
METAR KCZ 160852Z AUTO 05003KT 09/08 A2985 RMK A02 SLP084 T00890083
58012 PWINO TSN0
SXUS90 KABC 160900
METAR KOXR 160651Z AUTO 28003KT 4SM BR OVC003 15/14 A2933 RMK A02
SLP101 T01500144 58012 TSN0=
SXUS90 KABC 160900
METAR KVMY 160651Z 16004KT 4SM BR OVC005 16/14 A2933 RMK A02
SLP094 T01500159 58009=
SXUS90 KABC 160900
METAR Kaur 160553Z 16006KT 4SM BR OVC007 17/14 A2933 RMK A02
SLP090 T01670144 58010=
SXUS90 KABC 160900
METAR KONO 160553Z 26005KT 3SM BR OVC003 17/17 A2935 RMK A02
SLP102 T01670157 58012=
SXUS90 KABC 160900
METAR KGRQ 160553Z AUTO 21004KT 10SM OVC008 17/14 A2935 RMK A02
SLP105 T01670144 58011 TSN0=
TTAA00 KLS 160350
METAR KLS 160350Z AUTO 30000KT 1/2SM FG VV001 14/14 A2935 RMK A02
SLP099 T01390159 58008 TSN0
SXUS90 KABC 160900
METAR KMYF 160553Z AUTO 21005KT 9SM OVC010 16/14 A2935 RMK A02
SLP105 T01610144 58010 TSN0=
SXUS90 KABC 160900
METAR KONT 160553Z 24005KT 4SM BR OVC007 16/15 A2933 RMK A02
SLP089 VIS E-SE 2 T01610150 58012=
SXUS90 KABC 160900
METAR KPMO 160553Z AUTO 24014KT 10SM CLR A2930 RMK A02 SLPNO 58013
FZRANO TSN0 =
SXUS90 KABC 160900
METAR KPSP 160553Z AUTO 00000KT 10SM CLR 26/12 A2933 RMK A02
SLP027 T02610117 58012 TSN0=
SXUS90 KABC 160900
METAR KSA 160553Z 12006KT 1 1/4SM BR OVC002 14/14 A2932 RMK A02
0Z01 SLP099 P0000 50000 T01440159 57010=
TTAA00 KBIM 160350
METAR KBIM 160350Z AUTO 02003KT 10SM CLR 16/09 A2931 RMK A02 SLP145
T01610069 58012 TSN0
TTAA00 KLG 160350
METAR KLG 160350Z AUTO 15003KT 9SM OVC006 16/17 A2934 RMK A02
SLP103 T01750167 58012 TSN0

*** SRRS PRODUCT RETRIEVAL ***

FOR

06/16/98 0645 UTC TO 06/16/98 1315 UTC

TTAA00 KSDM 160356
 METAR KSDM 160856Z AUTO 23004KT 4SM BR OVC005 16/14 A2986 RMK A02
 SLP108 T01560144 58010 TSN0
 SXUS90 KWB0 160900
 METAR KSLH 160852Z 18009KT 15SM SKC 23/12 A2965 RMK SLP033 57010=
 SXUS90 KWB0 160900
 METAR KPA6 160850Z 22021KT 15SM SKC 26/08 A2970 RMK SLP028 57019=
 SXUS90 KWB0 160900
 METAR KTRM 160851Z 33010G16KT 20SM SKC 23/12 A2950 RMK SLP024
 58014=
 SXUS90 KWB0 160900
 METAR KAFB 160852Z 15003KT 7SM OVC012 17/14 A2985 RMK SLP105 8/5//
 T01720144 58014=
 SXUS90 KWB0 160900
 METAR KNKA 160856Z 23003KT 10SM OVC010 16/14 A2986 RMK SLP105
 8/5// T01610139 58011=
 SXUS90 KWB0 160900
 METAR KNXP 170852Z 31003KT 7SM SKC 24/03 A2978 RMK SLP044
 T02440050 58008 SLP055 T02670044=
 SXUS90 KWB0 160900
 METAR KNZJ 160852Z 16005KT 5SM BR SCT000 OVC009 17/13 A2985 RMK FG
 SCT000 SLP102 8/6// T01670133 58012=
 SXUS90 KWB0 160900
 METAR KNZY 160852Z 00000KT 7SM OVC010 17/15 A2985 RMKS SLP111
 8/6// T01720150 57010=
 SXUS90 KWB0 160900
 METAR KRIV 160857Z 16004KT 2 1/4SM BR OVC009 16/15 A2985 RMK CIS
 007V011 SLP092 8/6// 9/3// 58014=
 SXUS90 KWB0 160900
 METAR KEDW 160852Z 22009KT 25SM FEW200 20/12 A2977 RMK SLP032
 8/001 9/001 58014 RCRNR=
 SXUS90 KWB0 160900
 METAR KJPL 160850Z 26014KT 30SM SKC 27/10 A2963 RMK SLP036
 T02730097 57012=
 SXUS90 KWB0 160900
 METAR KBRK 160853Z 16006KT 4SM BR OVC007 17/14 A2983 RMK A02
 SLP090 T01670144 58010=
 SXUS90 KWB0 160900
 METAR KRIV 160857Z COR 16004KT 2 1/4SM BR OVC009 16/15 A2985 RMK
 CIG 007V011 SLP092 8/6// 9/6// 58014 COR 0904=
 SXUS90 KWB0 160900
 METAR KJF 160850Z 22015KT 25SM SKC 20/08 A2979 RMK T01960081=
 TTAA00 KLAX 160914
 SPECI KLAX 160914Z 24005KT 4SM BR OVC011 17/16 A2984 RMK A02 CIG
 007V012
 SXUS90 KWB0 160934
 SPECI KCRQ 160934Z AUTO 20005KT 10SM OVC010 17/14 A2984 RMK A02
 TSN0=
 SXUS90 KWB0 160931
 METAR KRIV 160931Z 16003KT 2SM BR SCT002 OVC009 17/16 A2985 RMK
 VIS SN-NW 1 1/4=
 SXUS90 KWB0 160936
 SPECI KONT 160938Z 24005KT 3SM BR OVC004 16/15 A2963 RMK A02=

*** SRRS PRODUCT RETRIEVAL ***

FOR

06/16/98 0645 UTC TO 06/16/98 1315 UTC

SXUS90 KWBC 160938
 SPECI KONT 160938Z COR 24006KT 3SM BR OVC004 16/15 A2983 RMK A02
 VIS E 2=
 TTAADD KSN 160951
 METAR KSN 160951Z 19006KT 10SM OVC014 17/14 A2985 RMK A02 SLP110
 T01720144
 TTAADD KSD 160950
 METAR KSD 160950Z AUTO 25008KT 10SM CLR 16/10 A2992 RMK A02 SLP079
 T01560100 TSNO
 TTAADD KLAX 160950
 METAR KLAX 160950Z 23006KT 3SM BR SCT005 OVC010 17/16 A2983 RMK A02
 SLP099 T01670161
 SXUS90 KWBC 161000
 METAR KWJF 160950Z 23018KT 25SM SKC 19/08 A2977 RMK TC1940078=
 TTAADD KCZL 160952
 METAR KCZL 160952Z AUTO 03004KT 09/08 A2985 RMK A02 SLP081 T00890083
 PWIND TSNO
 SXUS90 KWBC 161000
 METAR KOXR 160951Z AUTO 00000KT 4SM BR OVC003 15/14 A2982 RMK A02
 SLP093 T01500144 TSNO=
 SXUS90 KWBC 161000
 METAR KVMY 160951Z 15006KT 3SM BR OVC004 16/14 A2982 RMK A02
 SLP091 T01560139=
 SXUS90 KWBC 161000
 METAR KRIV 160951Z 15003KT 1 1/4SM BR FEW000 OVC002 16/15 A2985
 RMK BR FEW000=
 SXUS90 KWBC 161000
 METAR KBJR 160953Z 13004KT 4SM BR OVC007 17/14 A2982 RMK A02
 SLP088 T01670144=
 SXUS90 KWBC 161000
 METAR KCNO 160953Z AUTO 27003KT 4SM BR OVC006 17/17 A2984 RMK A02
 SLP101 T01670167 TSNO=
 SXUS90 KWBC 161000
 METAR KCR 160953Z AUTO 19005KT 10SM OVC010 17/14 A2985 RMK A02
 SLP100 T01670144 TSNO=
 SXUS90 KWBC 161000
 METAR KMYF 160953Z AUTO 21004KT 9SM OVC010 16/14 A2984 RMK A02
 SLP102 T01610144 TSNO=
 SXUS90 KWBC 161000
 METAR KONT 160953Z 24005KT 3SM BR OVC004 16/15 A2983 RMK A02
 SLP090 VIS E 2 T01560150=
 SXUS90 KWBC 161000
 METAR KPMO 160953Z AUTO 22015KT 10SM CLR A2979 RMK A02 SLPNO
 FZRAO TSNO 3=
 SXUS90 KWBC 161000
 METAR KPSP 160953Z AUTO 20000KT 10SM CLR 24/12 A2962 RMK A02
 SLP023 T02440122 TSNO=
 SXUS90 KWBC 161000
 METAR KSDA 160953Z 11005KT 1 1/2SM BR OVC002 14/14 A2981 RMK A02
 SLP095 T01440139=
 TTAADD KLS9 160956
 METAR KLS9 160956Z AUTO 13003KT 1/2SM FG VV001 14/14 A2985 RMK A02
 SLP095 T01390139 TSNO

*** SRRS PRODUCT RETRIEVAL ***

FOR

06/16/98 0845 UTC TO 06/16/98 1315 UTC

TTAADJ KSDM 160956
 METAR KSDM 160956Z AUTO 21005KT 6SM BR OVC007 16/14 A2985 RMK A02
 SLP104 T01500139 TSNO
 TTAADJ KLG8 160956
 METAR KLG8 160956Z AUTO 17004KT 8SM OVC006 18/16 A2983 RMK A02 CIG
 005V010 SLP101 T01780161 TSNO
 TTAADJ KBIH 160956
 METAR KBIH 160956Z AUTO 23009KT 10SM CLR 18/08 A2980 RMK A02 SLP039
 T01730078 TSNO
 SXUS90 KWB0 161000
 METAR KBLH 160953Z 19013KT 15SM SKC 28/12 A2964 RMK SLP030=
 SXUS90 KWB0 161000
 METAR KDAG 160951Z 23018KT 15SM SKC 26/09 A2967 RMK SLP019=
 SXUS90 KWB0 161000
 METAR KTRM 160950Z 32007KT 20SM SKC 27/12 A2960 RMK SLP022=
 SXUS90 KWB0 161000
 METAR KEDW 160955Z 20009KT 25SM SKC 19/12 A2975 RMK SLP044 RCRNR=
 SXUS90 KWB0 161000
 METAR KHKX 160956Z 00000KT 10SM OVC010 16/14 A2934 RMK SLP101
 T01610139=
 SXUS90 KWB0 161000
 METAR KXNP 170955Z 26005KT 7SM SKC 24/04 A2976 RMK SLP033
 T02590044 SLP055 T02670044=
 SXUS90 KWB0 161000
 METAR KNZJ 160955Z 14006KT 6SM BR SCT000 OVC009 17/13 A2984 RMK FG
 SCT000 SLP101 T01660128=
 SXUS90 KWB0 161000
 METAR KNZY 160955Z 14004KT 7SM OVC010 17/15 A2984 RMKS SLP104
 T01670130=
 SXUS90 KWB0 161000
 METAR KNIV 160955Z 15004KT 1 1/4SM BR FEW000 OVC002 16/15 A2985
 RMK SLP090 BR FEW000 8/5// 9/8//=
 SXUS90 KWB0 161000
 METAR KBJR 160953Z 13004KT 4SM BR OVC007 17/14 A2982 RMK A02
 SLP088 T01670144=
 SXUS90 KWB0 161000
 METAR KNFG 160955Z 17003KT 7SM OVC012 17/14 A2983 RMK SLP101
 T01720144=
 SXUS90 KWB0 161000
 METAR KWJF 160950Z 23018KT 25SM SKC 19/08 A2977 RMK T01940078=
 SXUS90 KWB0 161035
 SPECI KVMY 161035Z 16003KT 2 1/2SM BR OVC004 16/14 A2982 RMK A02=
 TTAADJ KLS9 161042
 SPECI KLS9 161042Z AUTO 21005KT 1/4SM FG VV001 14/14 A2985 RMK A02
 TSNO
 TTAADJ KSAN 161051
 METAR KSAN 161051Z 15004KT 10SM OVC012 17/14 A2986 RMK A02 SLP109
 T01720144
 TTAADJ KLAX 161050
 METAR KLAX 161050Z 18005KT 3SM BR OVC005 17/16 A2985 RMK A02 SLP099
 T01670161
 TTAADJ KSD8 161050
 METAR KSD8 161050Z AUTO 27010KT 10SM CLR 17/10 A2990 RMK A02 SLP074

*** SRRS PRODUCT RETRIEVAL ***

FOR

06/16/98 0845 UTC TO 06/16/98 1315 UTC

T01670100 TSNO
 SXUS90 KWBC 161100
 METAR KWIJ 161050Z 22020KT 25SM SKC 19/03 A2976 RMK T01890078=
 TTAADD KCZZ 161052
 METAR KCZZ 161052Z AUTO 04004KT 07/07 A2934 RMK A02 SLP030 T00670067
 PWIND TSNO
 SXUS90 KWBC 161100
 METAR KOXR 161051Z AUTO 17003KT 5SM BR OVC003 15/14 A2982 RMK A02
 CIG 002V006 SLP095 T01500144 TSNO=
 SXUS90 KWBC 161100
 METAR KVMY 161051Z 15004KT 2 1/2SM BR OVC004 16/14 A2982 RMK A02
 SLP089 T01550139=
 TTAADD KSN 161054
 METAR KBDU 161043Z 29005KT 1/8SM FG OVC003 13/13 RMK NOSPECI FIRST
 SXUS90 KWBC 161100
 METAR KXNP 171055Z 26007KT 7SM SKC 23/04 A2974 RMK SLP033
 T02280039 SLP055 T02670044=
 SXUS90 KWBC 161100
 METAR KBDU 161053Z 11006KT 4SM BR OVC007 17/14 A2982 RMK A02
 SLP085 T01670144=
 SXUS90 KWBC 161100
 METAR KCNO 161053Z AUTO 23006KT 4SM BR OVC006 16/16 A2984 RMK A02
 SLP098 T01610161 TSNO=
 SXUS90 KWBC 161100
 METAR KCRW 161053Z AUTO 16004KT 10SM OVC010 17/14 A2983 RMK A02
 SLP098 T01670144 TSNO=
 SXUS90 KWBC 161100
 METAR KMYF 161053Z AUTO 13005KT 10SM OVC010 16/14 A2984 RMK A02
 SLP101 T01610144 TSNO=
 SXUS90 KWBC 161100
 METAR KONT 161053Z 23005KT 3SM BR OVC003 16/14 A2982 RMK A02
 SLP087 VIS E-SE 2 T01560144=
 SXUS90 KWBC 161100
 METAR KPMO 161053Z AUTO 23015G20KT 10SM CLR A2978 RMK A02 SLPNO
 FZRANO TSNO 3=
 SXUS90 KWBC 161100
 METAR KPSP 161053Z AUTO 36003KT 10SM CLR 25/12 A2961 RMK A02
 SLP021 T02500122 TSNO=
 SXUS90 KWBC 161100
 METAR KSHA 161053Z 13007KT 1 1/4SM BR OVC002 14/14 A2981 RMK A02
 SLP093 T01390139=
 TTAADD KLS9 161056
 METAR KLS9 161056Z AUTO 20005KT 1/2SM FG VVU01 14/14 A2984 RMK A02
 SLP093 T01590139 TSNO
 TTAADD KSIH 161056
 METAR KSIH 161056Z AUTO 29006KT 10SM CLR 17/07 A2979 RMK A02 SLP037
 T01670072 TSNO
 TTAADD KSDM 161056
 METAR KSDM 161056Z AUTO 20003KT 5SM BR OVC007 16/14 A2985 RMK A02
 SLP103 T01610139 TSNO
 TTAADD KLEB 161056
 METAR KLEB 161056Z AUTO 24005KT 9SM SKN006 OVC013 13/17 A2982 RMK
 A02 SLP098 T01760167 TSNO

*** SRMS PRODUCT RETRIEVAL ***
 FOR
 06/16/98 0845 UTC TO 06/16/98 1315 UTC

SXUS90 KWBC 161100
 METAR KEDW 161055Z 21013KT 25SM SKC 20/12 A2974 RMK SLP041 RCRNK=
 SXUS90 KWBC 161100
 METAR KNFG 161055Z 15003KT 7SM OVC014 17/14 A2984 RMK SLP102
 T01630144=
 SXUS90 KWBC 161100
 METAR KNZJ 161055Z 11007KT 4SM BR SCT000 OVC009 16/13 A2983 RMK FG
 SCT000 SLP096 T01630126=
 SXUS90 KWBC 161100
 METAR KNZY 161055Z 21003KT 7SM OVC010 17/15 A2984 RMKS SLP103
 T01720150=
 SXUS90 KWBC 161100
 METAR KRIV 161055Z 16004KT 1 1/8SM BR FEW000 OVC002 16/15 A2984
 RMK SLP037 BR FEW000 8/5// 9/8//=
 SXUS90 KWBC 161100
 METAR KBLH 161052Z 16011KT 15SM SKC 27/12 A2963 RMK SLP026=
 SXUS90 KWBC 161100
 METAR KDAG 161054Z 24023KT 15SM SKC 25/10 A2966 RMK PK WND
 24028/52 SLP014=
 SXUS90 KWBC 161100
 METAR KTRM 161051Z 32010KT 20SM SKC 26/13 A2959 RMK SLP020=
 SXUS90 KWBC 161100
 METAR KIPK 161050Z 2601619G24KT 30SM SKC 27/09 A2961 RMK SLP027
 T02740094=
 SXUS90 KWBC 161100
 METAR KBUR 161053Z 11003KT 4SM BR OVC007 17/14 A2982 RMK A02
 SLP035 T01670144=
 SXUS90 KWBC 161100
 METAR KNKX 161050Z 21003KT 10SM OVC010 16/14 A2984 RMK SLP101
 T01610139=
 TTAAGG KL39 161104
 SPECI KL39 161104Z AUTO 19006KT 1 1/4SM BR OVC001 14/14 A2985 RMK
 A02 TSN0
 TTAAGG KSDM 161107
 SPECI KSDM 161107Z AUTO 22005KT 4SM BR OVC009 16/14 A2984 RMK A02
 TSN0
 SXUS90 KWBC 161100
 METAR KNTD 161055Z 24003KT 2SM -DZ BR BKN005 OVC010 16/15 A2961
 RMK SLP094 LAG PK 10/10/15007 T01560150 FIRST=
 SXUS90 KWBC 161100
 SPECI KOXR 161106Z AUTO 00000KT 7SM BKN005 OVC010 15/14 A2961 RMK
 A02 TSN0=
 TTAAGG KL39 161113
 SPECI KL39 161113Z AUTO 16004KT 2SM BR OVC001 14/14 A2985 RMK A02
 TSN0
 TTAAGG KLGB 161115
 SPECI KLGB 161115Z AUTO 00000KT 3SM SCT006 OVC015 16/17 A2982 RMK
 A02 TSN0
 SXUS90 KWBC 161122
 SPECI KOXR 161122Z AUTO 00000KT 3SM SCT006 OVC012 15/14 A2961 RMK
 A02 TSN0=
 TTAAGG KLGB 161129
 SPECI KLGB 161129Z AUTO 00000KT 3SM SCT006 BKN009 OVC015 16/17 A2962

*** SKKS PRODUCT RETRIEVAL ***

FOR

06/16/98 0345 UTC TO 06/16/98 1315 UTC

RMK A02 CIG 007V010 TSNO
 TTAADD KL39 161134
 SPECI KL39 161134Z AUTO 00000KT 3SM BR OVC003 14/14 A2985 RMK A02
 TSNO
 SXUS90 KWB0 161133
 SPECI K3BA 161133Z 12005KT 2SM BR OVC003 14/14 A2981 RMK A02=
 SXUS90 KWB0 161133
 SPECI KVMY 161138Z 15006KT 2 1/2SM BR OVC003 16/14 A2981 RMK A02
 CIG 004V009=
 SXUS90 KWB0 161142
 SPECI KOXR 161142Z AUTO 00000KT 7SM OVC008 15/14 A2981 RMK A02 CIG
 005V013 TSNO=
 TTAADD KLG0 161145
 SPECI KLG0 161145Z AUTO 00000KT 5SM BR SCT005 OVC015 18/17 A2982 RMK
 A02 TSNO
 SXUS90 KWB0 161141
 METAR KRIV 161141Z 15006KT 7/8SM -DZ BR FEW000 OVC003 16/15 A2984
 RMK BR SCT000=
 SXUS90 KWB0 161141
 METAR KRIV 161141Z COR 15006KT 7/8SM -DZ BR SCT000 OVC003 16/15
 A2984 RMK BR SCT000 COR 1144=
 SXUS90 KWB0 161200
 SPECI KCNO 161146Z AUTO 28003KT 4SM BR OVC010 16/16 A2984 RMK A02
 CIG 004V011 TSNO=
 TTAADD K3AN 161150
 METAR K3UD 161148Z 24007KT 5SM FG VV000 13/13 RMK NOSPECI
 TTAADD K3AN 161151
 METAR K3AN 161151Z 16006KT 8SM OVC012 17/14 A2986 RMK A02 SLP110
 T01720144 10173 20172 55005
 TTAADD K3DA 161150
 METAR K3DB 161150Z AUTO 25008KT 10SM CLR 16/10 A2990 RMK A02 SLP072
 T01610100 10189 20133 56013 TSNO
 TTAADD KLAX 161150
 METAR KLAX 161150Z 17004KT 3SM BR OVC003 16/16 A2983 RMK A02 SLP098
 CITY MIN 62 T01610161 10172 20161 55004
 SXUS90 KWB0 161200
 METAR KMJF 161150Z 25015G21KT 25SM FEW150 16/08 A2975 RMK
 T01840077 20164=
 TTAADD KCZZ 161152
 METAR KCZZ 161152Z AUTO 02003KT 07/06 A2984 RMK A02 SLP081 70001
 T00670061 10128 20067 57007 PWIND TSNO
 SXUS90 KWB0 161200
 METAR KOXR 161151Z AUTO 00000KT 5SM BR OVC008 15/14 A2981 RMK A02
 CIG 005V012 SLP093 T01500139 10150 20144 56008 TSNO=
 SXUS90 KWB0 161200
 METAR KVMY 161151Z 13004KT 2 1/2SM BR OVC003 16/14 A2982 RMK A02
 CIG 004V009 SLP089 T01560139 10161 20156 56007=
 SXUS90 KWB0 161200
 METAR KBJR 161153Z 15007KT 4SM BR OVC007 17/14 A2981 RMK A02 CIG
 007V011 SLP084 T01670144 10167 20161 57007=
 SXUS90 KWB0 161200
 METAR KCNO 161153Z AUTO 27007KT 5SM BR OVC010 16/16 A2984 RMK A02
 SLP099 T01610161 10167 20150 55004 TSNO=

*** SRRS PRODUCT RETRIEVAL ***

FOR

06/16/95 0845 UTC TO 06/16/95 1315 UTC

SXUS90 KABC 161200
 METAR KCRW 161153Z AUTO 15005KT 7SM OVC010 16/14 A2983 RMK A02
 SLP099 T01610144 10167 20161 56006 TSNO=
 SXUS90 KABC 161200
 METAR KMYF 161153Z AUTO 20006KT 10SM OVC010 16/14 A2984 RMK A02
 SLP102 T01610144 10167 20161 55005 TSNO=
 SXUS90 KABC 161200
 METAR KONT 161153Z 26007KT 3SM BR OVC003 15/14 A2983 RMK A02 CIG
 003V007 SLP090 T01500144 10172 20150 55002=
 SXUS90 KABC 161200
 METAR KPMO 161153Z AUTO 22016KT 10SM CLR A2977 RMK A02 SLPNO 56009
 FZRA00 TSNO 3=
 SXUS90 KABC 161200
 METAR KPSP 161153Z AUTO 00006KT 10SM CLR 23/12 A2961 RMK A02
 SLP023 T02330117 10300 20228 55005 TSNO=
 SXUS90 KABC 161200
 METAR K3BA 161153Z 14005KT 2SM BR OVC004 14/14 A2981 RMK A02
 SLP093 50000 T01440139 10144 20139 55006=
 TTA00 KL39 161156
 METAR KL39 161156Z AUTO 21004KT 3SM BR OVC003 14/14 A2985 RMK A02
 SLP075 T01390139 10144 20128 55005 TSNO
 TTA00 KSDM 161156
 METAR KSDM 161156Z AUTO 23005KT 3SM BR OVC009 16/14 A2985 RMK A02
 SLP104 T01360139 10161 20156 56005 TSNO
 TTA00 KLG5 161156
 METAR KLG5 161156Z AUTO 00006KT 4SM BR SCT005 OVC015 18/17 A2982 RMK
 A02 SLP097 T01760167 10189 20178 56006 TSNO
 TTA00 KBIH 161156
 METAR KBIH 161156Z AUTO VR305KT 10SM CLR 14/03 A2977 RMK A02 SLP033
 T01390078 10217 20139 53011 TSNO
 SXUS90 KABC 161200
 METAR KNTD 161153Z 00006KT 2SM -OZ BR OVC004 15/15 A2931 RMK
 SLP093 LAG PK 10/16/14007 P0000 60000 T01500147 10155 20144=
 SXUS90 KABC 161200
 METAR KNZY 161153Z 16006KT 7SM OVC012 17/15 A2984 RMKS SLP103
 8/6// T01670150 10178 20167 56005=
 SXUS90 KABC 161200
 METAR KRIV 161153Z 16005KT 7/8SM -OZ BR SCT000 OVC003 16/15 A2985
 RMK CIG 002V004 SLP089 BR SCT000 60000 8/6// 9/8// 55003=
 SXUS90 KABC 161200
 METAR KIPL 161150Z 26017KT 50SM 27/08 A2961 RMK SLP027 T02660077
 10297 20259 56005=
 SXUS90 KABC 161200
 METAR KDLH 161152Z 18012KT 15SM SKC 26/12 A2962 RMK SLP023 10334
 20260 57010=
 SXUS90 KABC 161200
 METAR KTRM 161154Z 31012KT 20SM SKC 25/13 A2959 RMK SLP020 10298
 20239 56005=
 SXUS90 KABC 161200
 SPECI KCRW 161200Z AUTO 15005KT 5SM BR OVC003 16/15 A2983 RMK A02
 TSNO=
 SXUS90 KABC 161200
 METAR KIYK 161153Z 00006KT 20SM FEW150 20/ A2958 RMK FIRST=

*** SRRS PRODUCT RETRIEVAL ***

FOR

06/16/98 0845 UTC TO 06/16/98 1315 UTC

SXUS90 KWB0 161200
 METAR KBUR 161155Z 15007KT 4SM BR OVC007 17/14 A2981 RMK A02 CIG
 007V011 SLP084 T01670144 10167 20161 57007=
 SXUS90 KWB0 161200
 METAR KIYK 161153Z 00000KT 20SM FEW150 20/ A2968 RMK FIRST=
 SXUS90 KWB0 161200
 METAR KEDW 161155Z 20012KT 25SM FEW250 19/12 A2973 RMK SLP037
 8/003 9/001 56014 RCRNR=
 SXUS90 KWB0 161200
 METAR KNID 161156Z 00000KT 25SM SKC 21/09 A2964 RMK SLP014
 T02050094 10272 20200 FIRST=
 SXUS90 KWB0 161200
 METAR KMKX 161150Z 20004KT 10SM OVC012 16/14 A2934 RMK SLP101
 8/5// T01610139 10167 20161 55004=
 SXUS90 KWB0 161200
 METAR KMX2 171155Z 26007KT 7SM SKC 23/04 A2974 RMK SLP035
 T02260039 10289 20228 56010 SLP055 T02670044=
 SXUS90 KWB0 161200
 METAR KNZJ 161155Z 10005KT 2SM -DZ BR SCT000 OVC009 16/13 A2983
 RMK FG SCT000 SLP097 60000 8/5// T01620154 10177 20162 56005=
 TTAADD KL39 161204
 SPECI KL39 161204Z AUTO 22003KT 2 1/2SM BR OVC003 14/14 A2985 RMK
 A02 TSN0
 TTAADD KLGB 161204
 SPECI KLGB 161204Z AUTO 00000KT 5SM BR SCT006 BKN009 OVC016 18/17
 A2982 RMK A02 TSN0
 TTAADD KLAX 161205
 SPECI KLAX 161205Z 13005KT 2 1/2SM -RA BR OVC005 16/16 A2982 RMK A02
 RAB1157 CITY MIN 62 P0000
 SXUS90 KWB0 161200
 METAR KNFG 161155Z 17004KT 7SM OVC012 17/14 A2934 RMK SLP104 8/5//
 T01670144 10172 20167 53002=
 SXUS90 KWB0 161200
 METAR KWIJ 161150Z 25015G21KT 25SM FEW150 18/08 A2975 RMK
 T01640077 20184=
 TTAADD KLAX 161210
 METAR KMWS 161158Z 26004KT 90SM SCT/// SKC 15/06 RMK CI 3NDS N-NE
 NOSPECI MIN 53 8/001 57015
 SXUS90 KWB0 161207
 SPECI KOXR 161207Z AUTO 00000KT 5SM BR FEW005 OVC010 15/14 A2981
 RMK A02 CIG 005V013 TSN0=
 SXUS90 KWB0 161209
 SPECI KVMY 161209Z 13005KT 3SM BR OVC009 15/14 A2982 RMK A02=
 TTAADD KLGB 161213
 SPECI KLGB 161213Z AUTO 00000KT 4SM BR SCT006 OVC016 16/17 A2982 RMK
 A02 TSN0
 TTAADD KLGB 161217
 SPECI KLGB 161217Z AUTO 30000KT 4SM BR SKN006 OVC016 18/17 A2982 RMK
 A02 CIG 005V010 TSN0
 SXUS90 KWB0 161222
 SPECI KCON 161222Z AUTO 27007KT 9SM OVC003 16/16 A2935 RMK A02 CIG
 007V012 TSN0=
 SXUS90 KWB0 161227

*** SRRS PRODUCT RETRIEVAL ***

FOR

06/16/98 0845 UTC TO 06/16/98 1315 UTC

SPECI KCNO 161229Z AUTO 27007KT 8SM OVC010 16/16 A2985 R4K A02 CIG
007V013 TSNO=
SXUS90 KWBC 161226
METAR KRIV 161226Z 15005KT 1 1/8SM -DZ BR SCT000 OVC003 15/15
A2986 RMK CIG 002V004 BR SCT000=
SXUS90 KWBC 161232
SPECI KOKR 161232Z AUTO 00000KT 5SM BR FEW005 SCT010 OVC015 15/14
A2982 RMK A02 TSNO=
SXUS90 KWBC 161225
METAR KNFG 161225Z 00000KT 5SM -DZ BR OVC010 16/15 A2984 RMK SLPNO=
SXUS90 KWBC 161234
SPECI KBJR 161234Z 15005KT 2 1/2SM BR OVC007 16/15 A2982 RMK A02=
SXUS90 KWBC 161234
METAR KBJR 161234Z 15005KT 2 1/2SM BR OVC007 16/15 A2982 RMK A02=
TTAA00 KLAX 161241
SPECI KLAX 161241Z 14005KT 3SM BR OVC007 16/16 A2983 RMK A02
RAB1157E07 CITY MIN 62 P0000
SXUS90 KWBC 161240
SPECI KVMY 161240Z 14007KT 3SM HZ OVC011 16/13 A2982 RMK A02=
SXUS90 KWBC 161241
SPECI KONT 161241Z VRBC5KT 3SM BR BKN005 OVC009 16/14 A2983 RMK
A02 VIS E-SE 2=
TTAA00 KL39 161244
SPECI KL39 161244Z AUTO 20003KT 4SM BR OVC003 14/14 A2985 RMK A02
CIG 002V006 TSNO
SXUS90 KWBC 161235
METAR KNZY 161235Z 17007KT 5SM -DZ BR OVC010 17/15 A2984 RMKS
SLP103=
SXUS90 KWBC 161240
METAR KRIV 161240Z 15005KT 1 1/8SM -DZ BR SCT000 OVC004 15/15
A2985 RMK CIG 003V006 BR SCT000=
TTAA00 KSDM 161245
SPECI KSDM 161245Z AUTO 20006KT 5SM BR OVC007 16/14 A2935 RMK A02
TSNO
SXUS90 KWBC 161300
SPECI KCRW 161246Z AUTO 14005KT 2 1/2SM BR BKN004 OVC008 16/16
A2983 RMK A02 RAB15833 CIG 003V006 P0000 TSNO=
SXUS90 KWBC 161240
METAR KNZJ 161240Z 10005KT 2SM -DZ BR SCT000 OVC011 16/13 A2984
RMK FG SCT000 SLP100=
TTAA00 KSAN 161251
METAR KSAN 161251Z 15007KT 4SM BR OVC012 17/15 A2985 RMK A02 SLP111
TD1670150
TTAA00 KLAX 161250
METAR KLAX 161250Z 12005KT 4SM BR BKN007 OVC014 16/16 A2933 RMK A02
RAB1157E07 SLP099 CITY MIN 62 P0000 TD1610161
TTAA00 KSDJ 161250
METAR KSDJ 161250Z AUTO 22006KT 7SM CLR 13/11 A2939 RMK A02 SLP075
TD1280111 TSNO
TTAA00 KCZL 161252
METAR KCZL 161252Z AUTO 00000KT 05/06 A2985 RMK A02 SLP035 TD0610061
PWIND TSNO
SXUS90 KWBC 161300

*** SRRS PRODUCT RETRIEVAL ***

FOR

06/16/98 0845 UTC TO 06/16/98 1315 UTC

METAR KOXR 161231Z AUTO 00000KT 5SM BR BKN005 OVC015 15/14 A2982
 RMK A02 CIG 003V008 SLP096 T01500144 TSNO=
 SXUS90 KWB0 161300
 METAR KVN1 161231Z 14005KT 2 1/2SM BR BKN011 16/14 A2982 RMK A02
 SLP090 T01610139=
 SXUS90 KWB0 161300
 METAR KBR1 161233Z 13005KT 2SM BR OVC007 16/15 A2982 RMK A02
 SLP088 T01550150=
 SXUS90 KWB0 161300
 METAR KUNT 161233Z 26003KT 2SM BR BKN005 OVC009 15/14 A2983 RMK
 A02 CIG 004V007 SLP092 T01500144=
 SXUS90 KWB0 161300
 METAR KPMD 161233Z 22017KT 9SM CLR A2977 RMK A02 SLPNO S=
 SXUS90 KWB0 161300
 METAR KSB1 161233Z 15003KT 2SM BR OVC004 14/14 A2982 RMK A02 CIG
 003V007 SLP096 P0001 T01390139=
 SXUS90 KWB0 161300
 METAR KCHO 161233Z AUTO 34003KT 9SM OVC010 16/16 A2985 RMK A02
 SLP102 T01560156 TSNO=
 SXUS90 KWB0 161300
 METAR KCRW 161233Z 15004KT 2 1/2SM BR SCT004 BKN005 OVC015 16/16
 A2984 RMK A02 RAB15233 CIG 005V012 SLP101 P0000 T01610156=
 SXUS90 KWB0 161300
 METAR KMYF 161233Z 17005KT 8SM BR OVC010 16/15 A2985 RMK A02
 SLP104 T01560150=
 SXUS90 KWB0 161300
 METAR KPSP 161233Z 01003KT 10SM CLR 23/12 A2962 RMK A02 SLP026
 T02280122=
 SXUS90 KWB0 161300
 METAR KUNT 161233Z COR 26005KT 2SM BR BKN005 OVC009 15/14 A2983
 RMK A02 SLP092 T01500144=
 TTAADD KL39 161236
 METAR KL39 161236Z AUTO 21004KT 4SM BR OVC005 14/14 A2985 RMK A02
 CIG 003V008 SLP096 T01390139 TSNO
 TTAADD KSA1 161238
 METAR KBU0 161233Z 22007KT 0SM FG VV000 13/13 RMK NOSPECI
 TTAADD KSDM 161236
 METAR KSDM 161236Z AUTO 20006KT 4SM BR OVC007 16/14 A2986 RMK A02
 SLP107 T01560139 TSNO
 TTAADD KJH1 161236
 METAR KJH1 161236Z AUTO 27008KT 10SM CLR 14/07 A2978 RMK A02 SLP033
 T01440072 TSNO
 TTAADD KLG3 161236
 METAR KLG3 161236Z 00000KT 1SM DZ BR OVC006 16/17 A2983 RMK A02
 DZB56 CIG 003V008 SLP099 P0000 T01780167
 SXUS90 KWB0 161300
 METAR KNID 161236Z 22003KT 35SM FEW060 SCT260 22/09 A2964 RMK
 SLP013 T02170094=
 SXUS90 KWB0 161300
 METAR KNS1 161233Z 23005KT 1 1/2SM BR OVC001 13/13 A2981 RMK
 SLP095 T01330128 FIRST=
 SXUS90 KWB0 161300
 METAR KNTD 161233Z 00000KT 2SM -DZ BR BKN004 OVC010 15/15 A2981

*** SRRS PRODUCT RETRIEVAL ***

FOR

06/16/98 0845 UTC TO 06/16/98 1315 UTC

RMK SLP095 LAG PK 10/10/14003 T01500147=
 SXUS90 KWBC 161300
 METAR KNXP 171255Z 25006KT 7SM SKC 22/05 A2974 RMK SLP035
 T02220050 SLP055 T02670044=
 SXUS90 KWBC 161300
 METAR KNZJ 161255Z 10003KT 2 1/2SM -DZ BR SCT000 OVC011 16/13
 A2984 RMK FG SCT000 SLP100 T01620134=
 SXUS90 KWBC 161300
 METAR KNZY 161255Z 15007KT 5SM -DZ BR OVC010 17/15 A2984 RMKS
 DZB35 CIG 007V012 SLP104 P0000 T01670150=
 SXUS90 KWBC 161300
 METAR KRIV 161255Z COR 16006KT 1 1/4SM -DZ BR SCT000 OVC005 15/15
 A2985 RMK CIG 004V006 SLP093 BR SCT000 8/6// 9/8// COR 1257=
 SXUS90 KWBC 161300
 METAR KRIV 161255Z 16006KT 1 1/4SM -DZ BR SCT000 OVC005 15/15
 A2985 RMK CIG 004V006 BR SCT000 8/6// 9/8//=
 SXUS90 KWBC 161300
 METAR KDLH 161255Z 18010KT 40SM SKC 25/12 A2963 RMK SLP026=
 SXUS90 KWBC 161300
 METAR KDAB 161255Z 22020G29KT 30SM FEW250 25/13 A2965 RMK PK WND
 24030/1153 SLP013=
 SXUS90 KWBC 161300
 METAR KHRK 161247Z 09004KT 4SM BR BKN011 OVC013 A2994=
 SXUS90 KWBC 161300
 METAR KIPL 161250Z 28011KT 50SM SKC 23/06 A2962 RMK SLP030
 T02470064=
 SXUS90 KWBC 161300
 METAR KIYK 161250Z 00000KT 20SM FEW150 20/ A2968=
 SXUS90 KWBC 161300
 METAR KTRM 161250Z 32011G17KT 25SM SKC 25/13 A2960 RMK SLP024=
 SXUS90 KWBC 161300
 METAR KWJF 161250Z 23013KT 35SM FEW150 FEW250 18/08 A2977 RMK
 T01760076=
 SXUS90 KWBC 161300
 METAR KEDW 161255Z 22014KT 30SM FEW050 FEW250 19/12 A2973 RMK
 SLP039 6/106 9/101=
 SXUS90 KWBC 161300
 METAR KNFG 161255Z 00000KT 2SM -DZ BR BKN007 OVC010 16/16 A2984
 RMK SLP105 P0000 T01610156=
 SXUS90 KWBC 161300
 METAR KNKX 161256Z 20006KT 10SM OVC012 16/14 A2985 RMK SLP102
 T01610139=
 SXUS90 KWBC 161300
 SPECI KJNA 161300Z 00000KT 2SM BR OVC006 16/16 A2985=
 SXUS90 KWBC 161300
 METAR KBUR 161253Z 13006KT 2SM BR OVC007 16/15 A2982 RMK A02
 SLP088 T01560150=
 TTAA00 KSDM 161309
 SPECI KSDM 161309Z AUTO 19006KT 3SM BR OVC009 16/14 A2985 RMK A02
 CIG 007V014 TSNO
 SXUS90 KWBC 161300
 METAR KWJF 161250Z 23016KT 35SM FEW150 FEW250 18/08 A2977 RMK
 T01760076=

*** SRRS PRODUCT RETRIEVAL ***
FOR
06/16/98 0845 UTC TO 06/16/98 1315 UTC

SXUS90 KWBC 161310
SPECI KBUR 161310Z 14005KT 1 3/4SM BR OVC003 16/15 A2982 RMK A02=
TTAA00 KL39 161314
SPECI KL39 161314Z AUTO 20004KT 2SM BR OVC005 14/14 A2985 RMK A02
TSNO
SXUS90 KWBC 161305
METAR KNZY 161305Z 17005KT 3SM -DZ BR SCT004 OVC005 17/16 A2985
RMKS SLP106=
SXUS90 KWBC 161313
METAR KNZY 161313Z 18004KT 21/2 -DZ BR BKN004 OVC008 17/16 A2985
RMKS SLP106=
SXUS90 KWBC 161310
METAR KBUR 161310Z 14005KT 1 3/4SM BR OVC003 16/15 A2982 RMK A02=

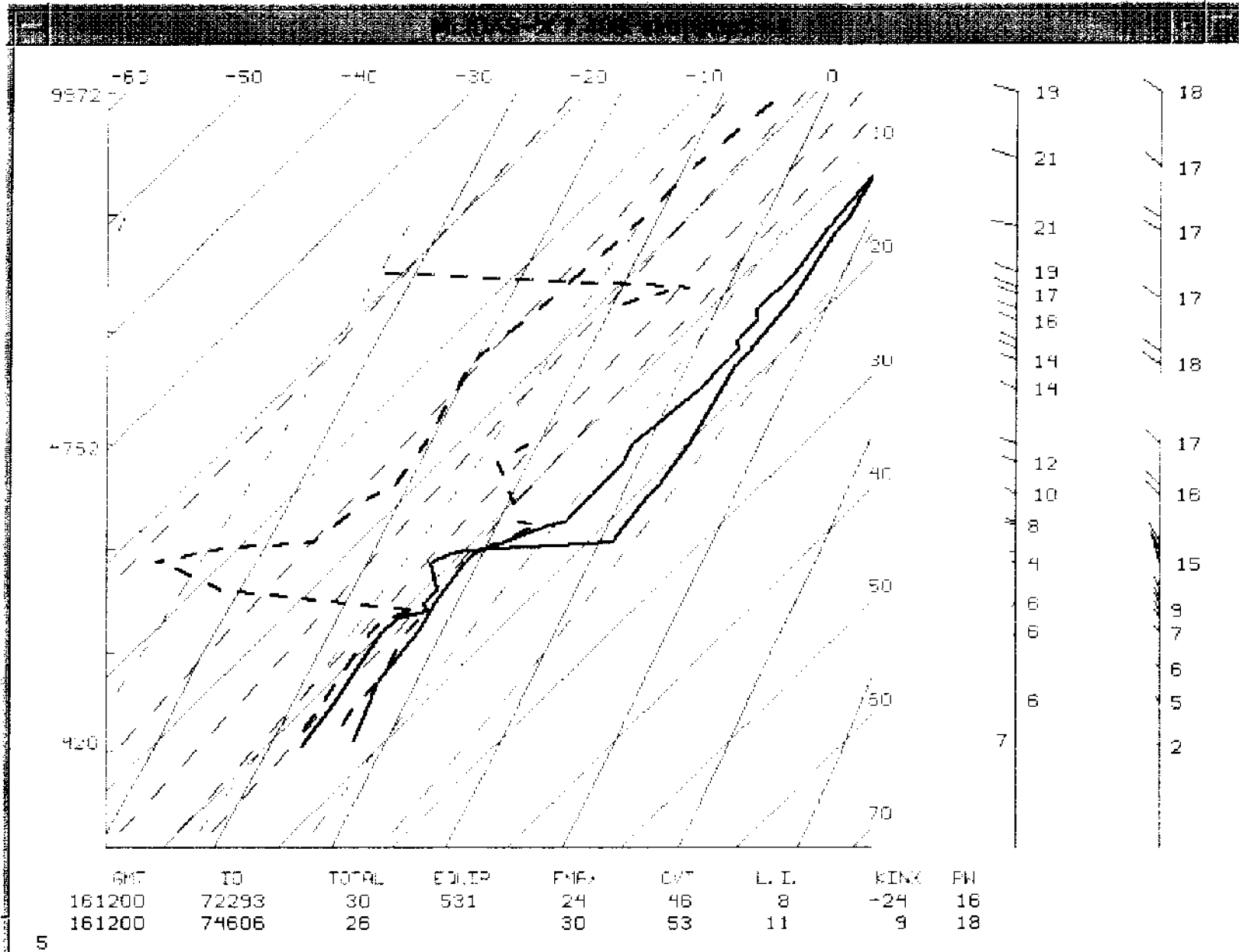
ATCH FOUR

*** SRMS PRODUCT RETRIEVAL ***

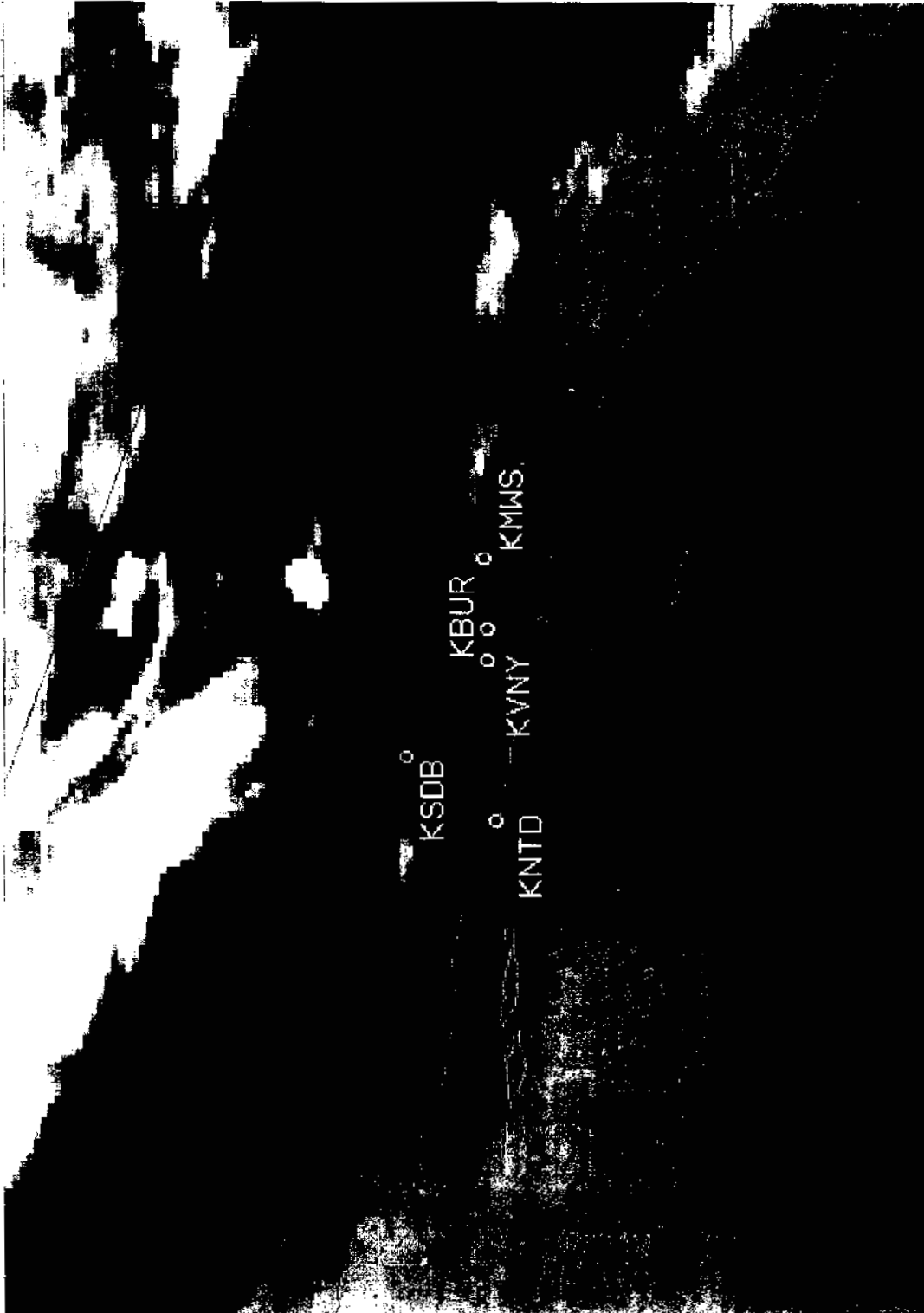
FOR

06/16/98 0900 UTC TO 06/16/98 1500 UTC

UBCA90 KWBC 161257
 CA 161257
 POC UA /OV POM/TM 1252/FLUNKN/TP APCH/SK TOPS 030=
 UBCA90 KWBC 161313
 CA 161313
 MYF UA /OV MYF/TM 1303/FL050/TP C172/SK 012 OVC 033=
 UBCA90 KWBC 161332
 CA 161332
 PMD UA /OV EDW 117056/TM 1329/FL075/TP C130/SK CLR/TA 13/4V WLY
 25KT/RM PPSN 0/APV=
 SBA UA /OV SBA/TM 1331/FLUNKN/TP UNKN/SK OVC 0256=
 UBCA90 KWBC 161337
 CA 161337
 MYF UA /OV JLI 270006/TM 1336/FL085/TP C172/SK OVC 040=
 UBCA90 KWBC 161347
 CA 161347
 SAN UA /OV MZB270002/TM 1343/FLUNKN/TP UNKN/SK 010 OVC 034=
 WJF UA /OV IYK-PHV/TM 1340/FL125/TP E120/TB LGT-MDT/RM CONSTANT
 TURB=
 UBCA90 KWBC 161406
 CA 161406
 UKI UA /OV ENI 120076/TM 1350/FL080/TP M020/SK SKC/TB NEG/RM
 DCR-PPSN=
 UBCA90 KWBC 161407
 CA 161407
 CNO UA /OV AJO/TM 1357/FLUNKN/TP C152/SK TOPS 045=
 UBCA90 KWBC 161413
 CA 161413
 POC UA /OV POM/TM 1412/FLUNKN/TP APCH/SK TOPS 045=
 UBCA90 KWBC 161418
 CA 161418
 RBL UA /OV RBL/TM 1414/FL300/TP B220/TB CONT LGT CHOP=
 SNS UA /OV SNS/TM 1414/FLUNKN/TP C501/RM DURC WVI 008 OVC 020 FV7=
 UBCA90 KWBC 161422
 CA 161422
 UKI UA /OV ENI 350043/TM 1417/FL125/TP C414/TA 06/TB NEG=
 UBCA90 KWBC 161425
 CA 161425
 LGB UA /OV LGB/TM 1424/FLUNKN/TP APCH/SK OVC 035=
 UBCA90 KWBC 161439
 CA 161439
 ONT UA /OV ONT-VNY/TM 1436/FL085/TP C208/SK OVC 044/CA/WX HZ/TB
 NEG=
 UBCA90 KWBC 161340
 CA 161340
 LGB UA /OV LGB/TM 1337/FLUNKN/TP APCH/SK OVC 037=
 OXR UA /OV OXR/TM 1338/FL060/TP C177/SK 005 OVC 030/CA/RM OVC
 EXTENDS RIGHT UP TO THE DESERT TOPS 055 AGUA DULCE AREA=
 TRM UA /OV JLI 080010/TM 1336/FL065/TP C172/TB MDT/RM STG 000FS=



McIDAS-X 7.400: skej@hp3-1



KSDB
KNTD
KBUR
KVN
KMWS

J0002 05-01 2104 04 16 7001 2215 123000 34121 17435 01 00

021048

ATCH EIGHT

*** SRRS PRODUCT RETRIEVAL ***

FOR
06/16/98 1100 UTC TO 06/16/98 1300 UTC

TTAAJG KPHX 161121

TAF

KIPL 161121Z 161212 25016KT P6SM SKC BECMG 1415 19012KT
FM2000 24015G25KT P6SM FEW070 FEW250
FM0500 26016KT P6SM FEW250 BECMG 0609 25008KT=

TTAAJG KSAN 161123

TAF

KSN 161120Z 161212 VRB03KT P6SM OVC012
FM2000 25010KT P6SM SCT015
TEMPO 2004 29015KT BKN015
FM0400 18005KT P6SM OVC015=

TTAAJG KSAN 161123

TAF

KSNA 161120Z 161212 NIL=

TTAAJG KSAN 161123

TAF

KPSP 161120Z 161212 32005KT P6SM SKC
FM1800 32011KT P6SM SKC
FM2000 32015G25KT P6SM SKC
TEMPO 2003 32020G30KT
FM0300 32015KT P6SM SKC
FM0800 32005KT P6SM SKC=

TTAAJG KSAN 161123

TAF

KTRM 161120Z 161212 34008KT P6SM SKC
FM1800 15010KT P6SM SKC
FM2200 34011KT P6SM SKC
FM0200 34015G25KT P6SM SKC
FM0800 34010KT P6SM SKC=

TTAAJG KLAX 161100

TAF

KGIH 161125Z 161212 30007KT P6SM SCT250
FM2100 28015G20KT P6SM SCT250
FM0000 32014KT P6SM SCT250
FM0200 35012KT P6SM SCT250
FM0400 35008KT P6SM SCT250=

TTAAJG KLAX 161100

TAF

KPMO 161125Z 161212 24015G20KT P6SM SKC
FM1800 24020G30KT P6SM SKC
FM2100 24025G35KT P6SM SKC
FM0200 24018G26KT P6SM SKC
FM0400 24015KT P6SM SKC
FM1000 VRB03KT P6SM SKC=

TTAAJG KLAX 161100

TAF

KJF 161125Z 161212 23020KT P6SM SKC
FM1700 23025G35KT P6SM SKC
FM0200 23029G39KT P6SM SKC
FM0500 23015G20KT P6SM SKC
FM1000 23010KT P6SM SKC=

*** SRKS PRODUCT RETRIEVAL ***
FOR
06/16/98 1100 UTC TO 06/16/98 1300 UTC

TTAAJ0 KLAX 161100

TAF

KJAO 161125Z 161212 25020G30KT P6SM SKC
FM2100 25025G35KT P6SM SKC
FM0400 25015G25KT P6SM SKC
FM0700 25015KT P6SM SKC=

TTAAJ0 KLAX 161100 CCA

TAF

KHJF 161225Z 161212 23020KT P6SM SKC
FM1700 23025G35KT P6SM SKC
FM0200 23020G30KT P6SM SKC
FM0500 23015G20KT P6SM SKC
FM1000 23010KT P6SM SKC=

TTAAJ0 KSAH 161256 AAA

TAF AMD

KSAH 161255Z 161312 16007KT 6SM BR HZ OVC012
TEMPO 1320 4SM BR HZ BKN008
FM2000 25010KT 5SM HZ SCT015
TEMPO 2004 29015KT BKN015
FM0400 18005KT P6SM OVC015=

TTAAJ0 KSAH 161123

TAF

KONT 161120Z 161212 VRB03KT 3SM BR OVC008
TEMPO 1217 2SM BR BKN003
FM1700 24006KT 3SM HZ SCT015
FM2000 26015KT 5SM HZ SKC
FM0400 24005KT P6SM SKC
FM0600 24005KT 3SM BR OVC008=

TTAAJ0 KLAX 161100

TAF

KSSA 161125Z 161212 13006KT 1 1/2SM BR OVC002
TEMPO 1215 1SM BR
FM1500 VRB03KT 3SM BR OVC006
FM1700 17008KT P6SM BKN010
FM2100 23010G15KT P6SM BKN010 TEMPO 2101 SCT010
FM0100 25010KT P6SM BKN008
FM0400 VRB03KT P6SM OVC008
FM0800 VRB03KT P6SM OVC010=

TTAAJ0 KLAX 161100

TAF

KLAX 161125Z 161212 VRB03KT 3SM BR BKN005 OVC010
TEMPO 1215 SCT005 OVC012
FM1500 25007KT 4SM BR HZ BKN012
FM1900 25011KT 5SM HZ SCT015
FM2100 25014KT P6SM SCT018 TEMPO 2102 BKN015

FM0200 25014KT P6SM BKN015
FM0400 25006KT P6SM OVC012
FM0700 VRB03KT P6SM OVC015=

TTAAJ0 KLAX 161100

*** SRRS PRODUCT RETRIEVAL ***

FOR

06/16/96 1100 UTC TO 06/16/96 1300 UTC

TAF

KLGA 161125Z 161212 VRB03KT P6SM SCT006 OVCC15
TEMPO 1214 BKN006
FM1500 VRB03KT 5SM HZ BKN016
FM1700 19010KT P6SM SCT020
FM0100 29010KT P6SM SCT020
FM0400 VRB03KT P6SM OVCC15=

TTAAJG KLAX 161100

TAF

KBUR 161125Z 161212 VRB03KT 4SM BR OVC007
FM1500 VRB03KT 5SM BR HZ OVC010
FM1700 15008KT 5SM HZ SCT012
FM2000 17012KT P6SM SKC
FM0400 15007KT P6SM SKC
FM0600 VRB03KT 5SM BR OVC010=

TTAAJG KLAX 161100

TAF

KVNY 161125Z 161212 VRB03KT 3SM BR OVC004
TEMPO 1214 2SM BR
FM1400 VRB03KT 3SM BR OVC006
FM1600 VRB03KT 4SM BR OVC010
FM1700 15008KT 5SM HZ SCT012
FM2000 14012KT P6SM SKC
FM0400 15007KT P6SM SKC
FM0700 VRB03KT 5SM BR OVC010=

TTAAJG KLAX 161100 AAA

TAF AMD

KLGB 161204Z 161212 VRB03KT 4SM BR SCT006 OVCC15
TEMPO 1214 BKN006
FM1500 VRB03KT 5SM BR HZ BKN016
FM1900 19010KT P6SM SCT020
FM0100 29010KT P6SM SCT020
FM0400 VRB03KT P6SM OVCC15=

TTAAJG KLAX 161100 AAA

TAF AMD

KVNY 161213Z 161212 VRB03KT 3SM BR OVC009
TEMPO 1214 2SM BR OVC010
FM1400 VRB03KT 3SM BR OVC010
FM1700 15008KT 5SM HZ SCT012
FM2000 14012KT P6SM SKC
FM0400 15007KT P6SM SKC
FM0700 VRB03KT 5SM BR OVC010=

ATCH NINE

*** SRRS PRODUCT RETRIEVAL ***

FOR
06/16/98 0900 UTC TO 06/16/98 1300 UTC

FAUS6 KSFO 161045
SFOC FA 161045
SYNOPSIS AND VFR CLDS/WX
SYNOPSIS VALID UNTIL 170500
CLDS/WX VALID UNTIL 162300...OTLK VALID 162300-170500
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...AT 10Z LOW WAS OVER NERN MT WITH CDFNT CURVG THRU NRN
UT TO NRN CA. BY 05Z LOW WILL BE OVER WRN KS WITH CDFNT ACRS SRN
CO..SRN NV AND CNTRL CA. ASSOCD UPR LVL LOW OVER SRN ID WILL MOV
TO NRN WY.

WA CASCDS WWD
BKN040 BKN-OVC080. ISOL SHRA. OCNL BKN015-025 CSTL SXNS. TOPS
FL180. OTLK...VFR.

WA E OF CASCDS
BKN-OVC080-100. ISOL SHRA. 15-18Z BKN060 BKN100. ISOL SHRA. ISOL
TSRA ERN PTN. TOPS FL200. OTLK...VFR.

OR CASCDS WWD
CSTL SXNS AND WILLAMETTE VLY...BKN-OVC025-040. ISOL SHRA NRN PTN.
18-20Z BKN040. TOPS 150. OTLK...VFR.
CASCDS AND SWRN INTR...BKN060. TOPS 150. ISOL SHRA NRN PTN. 18-
20Z SCT-BKN070. OTLK...VFR.

OR E OF CASCDS
NRN HALF...BKN070-090. ISOL SHRA. ISOL TSRA AFT 17Z. TOPS FL180.
CB TOPS FL300. OTLK...VFR.
SRN HALF...SCT100. 14Z BKN070-090. ISOL SHRA. ISOL TSRA AFT 17Z.
TOPS FL180. CB TOPS FL300. OTLK...VFR.

NRN CA...STS-SAC-TVL LN NWD
CSTL SXNS...SCT-BKN015-025. TOPS 040. 18Z SCT030. OTLK...VFR.
SAC VLY...SCT CI. OTLK...VFR.
INTR MTNS...SCT CI. 17Z SCT100. OTLK...VFR.

CNTRL CA
CSTL SXNS N OF SFO...SKC OR SCT CI. OTLK...VFR.
CSTL SXNS SFO SWD...BKN010. VIS 3-5SM BR. TOPS 020. 16-18Z SKC.
OCNL SCT010 CSTLN. OTLK...VFR.
SAN JOAQUIN VLY...SKC OR SCT CI. OCNL SCT050 XTRM SRN PTN.
OTLK...VFR.
SIERRAS...SCT CI. 17Z SCT120. OTLK...VFR.

SRN CA...V36-NID-60NNW BIH LN SWD
CSTLN...OVC010. VIS 3-5SM BR. TOPS 025. 18Z SCT010-015.
OTLK...MVFR CIG.
RMNDR CSTL SXNS...BKN015. VIS 3-5SM BR. TOPS 030. 16-18Z SKC.

*** SRRS PRODUCT RETRIEVAL ***

FOR
06/16/98 0900 UTC TO 06/16/98 1300 UTC

OCNL VIS 3-5SM HZ. OTLK...VFR.
INTR MTNS AND DESERTS...SKC. OCNL SCT140 XTRM NRN PTN AFT 19Z.
OTLK...VFR.

CSTL WTRS

WA OR...BKN015-030 BKN060. TOPS 120. OTLK...MVFR CIG.

CA N OF SFO...SCT-BKN030. TOPS 060. OTLK...VFR.

CA S OF SFO...BKN-0VC010. VIS 3-5SM BR. TOPS 030. OTLK...IFR CIG
BR.

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ATCH TEN

*** SRRS PRODUCT RETRIEVAL ***

FOR

06/16/98 0300 JTC TO 06/16/98 1300 UTC

WAUS1 KSFO 160745

SFOS WA 160745

AIRMET SIERRA UPDT 1 FOR IFR AND MTN OBSCN VALID UNTIL 161400

AIRMET IFR...CA AND CSTL WTRS

FROM SFO TO SBA TO 60E LAX TO 30SE SAN TO 250SW SAN TO 150SW SNS
TO SFOOCNL CIG BLW 010 VIS BLW 3SM BR. CONDS CONTG BYD 14Z...ENDG LAND
SXNS BY 18Z...CONTG CSTL WTRS THRU 20Z.

AIRMET MTN OBSCN...WA OR CA

FROM 40ESE YDC TO 60E MFR TO 40SSE FOT TO 80W MFR TO TOU TO 40ESE
YDC

MTNS OCNL OBSC IN CLDS AND SHRA. CONDS CONTG BYD 14Z THRU 20Z.

AIRMET MTN OBSCN...OR

FROM LWS TO MYL TO BNO TO PDT TO LWS

MTNS OCNL OBSC IN CLDS AND PCPN. CONDS CONTG BYD 14Z...DVLPG OVER
SEAN OR AFT 14Z...CONTG THRU 20Z.-----
WAUS1 KSFO 160745

SFOS WA 160745

AIRMET ZULU UPDT 1 FOR ICE AND FRZLVL VALID UNTIL 161400

AIRMET ICE...WA OR AND CSTL WTRS

FROM YXC TO REO TO 180W MFR TO 150W TOU TO YDC TO YXC

OCNL MOD RIME/MXD ICGICIP BTN 060 AND 160. CONDS CONTG BYD 14Z
THRU 20Z.

FRZLVL...060-090 WA OR.

090-130 NRM CA.

130-150 CNTRL CA.

150-160 SRN CA.

WAUS1 KSFO 160745

SFOT WA 160745

AIRMET TANGO UPDT 1 FOR TURB VALID UNTIL 161400

AIRMET TURB...WA OR CA ID NV UT WY CO AZ NM

FROM YDC TO BOI TO LAR TO AKO TO TBE TO LVS TO LAS TO FAT TO FOT
TO TOU TO YDC

OCNL MOD TURB BLW FL180. CONDS CONTG BYD 14Z THRU 20Z.

AIRMET TURB...WA OR AND CSTL WTRS ID MT NV UT WY CO

FROM YDC TO LKT TO GCC TO PUB TO WMC TO EUG TO 150W TOU TO YDC

OCNL MOD TURB BTN FL200 AND FL400. CONDS CONTG BYD 14Z THRU 20Z.

WAUS1 KSFO 161100 AAA

SFOS WA 161100 AMD

AIRMET SIERRA UPDT 2 FOR IFR AND MTN OBSCN VALID UNTIL 161400

AIRMET IFR...CA AND CSTL WTRS

FROM SFO TO SBA TO 60E LAX TO 30SE SAN TO 250SW SAN TO 150SW SNS

*** SRRS PRODUCT RETRIEVAL ***

FOR

06/16/98 0300 UTC TO 06/16/98 1300 UTC

TO SFO

OCNL CIG BLW 010 VIS BLW 3SM BR. CONDS CONTG BYD 14Z...ENDG LAND
SXNS BY 18Z...CONTG CSTL WTRS THRU 20Z.

AIRMET MTN OBSCN...WA OR CA

FROM 40ESE YDC TO 60E MFR TO 40SSE FOT TO 80W MFR TO TOU TO 40ESE
YDC

MTNS OCNL OBSC IN CLDS AND SHRA. CONDS CONTG BYD 14Z THRU 20Z.

AIRMET MTN OBSCN...OR.....UPDT

FROM LWS TO MYL TO BNO TO PDT TO LWS

MTNS OCNL OBSC IN CLDS AND PCPN. CONDS CONTG BYD 14Z...DVLPG OVER
RMNDR ERN OR AND ERN WA AFT 14Z...CONTG THRU 20Z.

...CHG WORDING...

....=

SUN & MOON INFORMATION

Location : VAN NUYS, CA
Ref. No. : LAX98FA199

Time/Date : 0514 PDT, JUNE 16, 1998

Latitude : 34,13 N Longitude : 118,30 W

UTC Differential : 7 Hours

Magnetic Variation : 14 East

All data computed for an altitude of 799 Feet MSL

0539	SUNRISE	SUNSET	2010
0510	CIVIL TWILIGHT		2039
0433	NAUTICAL TWILIGHT		2116
0353	ASTRONOMICAL TWILIGHT		2156

Altitude of Sun	-5.3
Magnetic Bearing to Sun	42.7

Altitude of Moon	45.9
Magnetic Bearing to Moon	145.4
Percent Illumination of Moon	60 %

No Compensation For Non-Level Horizons

Standard Corrections for Atmospheric Refraction and Parallax