



MEMORANDUM FOR RECORD

Stephen Stein
Aviation Accident Investigator
National Transportation Safety Board
Office of Aviation Safety – Western Pacific Region

Weather Report – Mahlon Sweet Field Airport (EUG), Eugene, Oregon
Date & Time: August 27, 2019; 1858 PDT
NTSB Accident Number: WPR19FA244

EUG is a nearby weather observation facility located 48 nm west of the accident site.

METAR/SPECI from KBDN		
SA	28/08/2019 05:55- >	METAR KBDN 280555Z AUTO 26006KT 10SM CLR 20/03 A3002 RMK AO2=
SA	28/08/2019 05:35- >	METAR KBDN 280535Z AUTO 27006KT 10SM CLR 20/03 A3001 RMK AO2=
SA	28/08/2019 05:15- >	METAR KBDN 280515Z AUTO 27006KT 10SM CLR 21/03 A3001 RMK AO2=
SA	28/08/2019 04:55- >	METAR KBDN 280455Z AUTO 29006KT 10SM CLR 22/03 A3001 RMK AO2=
SA	28/08/2019 04:35- >	METAR KBDN 280435Z AUTO 30006KT 10SM CLR 22/03 A3001 RMK AO2=
SA	28/08/2019 04:15- >	METAR KBDN 280415Z AUTO 31006KT 10SM CLR 23/02 A3000 RMK AO2=
SA	28/08/2019 03:55- >	METAR KBDN 280355Z AUTO 31006KT 10SM CLR 24/02 A3000 RMK AO2=
SA	28/08/2019 03:35- >	METAR KBDN 280335Z AUTO 31006KT 10SM CLR 24/02 A2999 RMK AO2=
SA	28/08/2019 03:15- >	METAR KBDN 280315Z AUTO 31005KT 10SM CLR 25/03 A2999 RMK AO2=
SA	28/08/2019 02:55- >	METAR KBDN 280255Z AUTO 33005KT 10SM CLR 26/03 A2999 RMK AO2=
SA	28/08/2019 02:35- >	METAR KBDN 280235Z AUTO 32005KT 10SM CLR 28/03 A2999 RMK AO2=

SA	28/08/2019 02:15- >	METAR KBDN 280215Z AUTO 32006KT 10SM CLR 28/03 A2999 RMK AO2=
SA	28/08/2019 01:55- >	METAR KBDN 280155Z AUTO 33011KT 10SM CLR 29/03 A2999 RMK AO2=
SA	28/08/2019 01:35- >	METAR KBDN 280135Z AUTO 34006G12KT 10SM CLR 29/03 A2999 RMK AO2=
SA	28/08/2019 01:15- >	METAR KBDN 280115Z AUTO 32008G13KT 10SM CLR 30/03 A3000 RMK AO2=
SA	28/08/2019 00:55- >	METAR KBDN 280055Z AUTO 32009KT 10SM CLR 30/03 A3000 RMK AO2=
SA	28/08/2019 00:35- >	METAR KBDN 280035Z AUTO 33009KT 10SM CLR 31/03 A3000 RMK AO2=
SA	28/08/2019 00:15- >	METAR KBDN 280015Z AUTO 34009KT 10SM CLR 31/04 A3000 RMK AO2=
SA	27/08/2019 23:55- >	METAR KBDN 272355Z AUTO 32009G14KT 10SM CLR 31/04 A3000 RMK AO2=
SA	27/08/2019 23:35- >	METAR KBDN 272335Z AUTO 32008KT CLR 30/05 A3001 RMK AO2=
SA	27/08/2019 23:15- >	METAR KBDN 272315Z AUTO 33008KT 310V010 10SM CLR 30/04 A3002 RMK AO2=
SA	27/08/2019 22:55- >	METAR KBDN 272255Z AUTO 34008G14KT 10SM CLR 31/04 A3002 RMK AO2=
SA	27/08/2019 22:35- >	METAR KBDN 272235Z AUTO VRB06G12KT 290V360 10SM CLR 30/04 A3003 RMK AO2=
SA	27/08/2019 22:15- >	METAR KBDN 272215Z AUTO 32006G11KT 10SM CLR 30/04 A3004 RMK AO2=
SA	27/08/2019 21:55- >	METAR KBDN 272155Z AUTO VRB06KT 290V350 10SM CLR 29/04 A3004 RMK AO2=
SA	27/08/2019 21:35- >	METAR KBDN 272135Z AUTO 36008KT 10SM CLR 29/04 A3005 RMK AO2=
SA	27/08/2019 21:15- >	METAR KBDN 272115Z AUTO 35008KT 10SM CLR 28/04 A3006 RMK AO2=
SA	27/08/2019 20:55- >	METAR KBDN 272055Z AUTO 33008KT 300V010 10SM CLR 28/04 A3007 RMK AO2=
SA	27/08/2019 20:35- >	METAR KBDN 272035Z AUTO VRB05KT 10SM CLR 27/04 A3007 RMK AO2=
SA	27/08/2019 20:15- >	METAR KBDN 272015Z AUTO 36007G12KT 310V050 10SM CLR 26/04 A3008 RMK AO2=



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Dorian To Bring Impacts To Puerto Rico And The USVI Today, Hurricane Conditions Southeast U.S.

Hurricane Dorian is bringing strong winds, rough surf, heavy rainfall and flooding over Puerto Rico and the USVI tonight. Dorian is forecast to intensify into a major hurricane with impacts possible over the Southeastern U.S. into early next week. Please stay tuned for the latest on the track of Dorian. [Read More >](#)

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Density Altitude

by [Tim Brice](#) and [Todd Hall](#)

Enter the air temperature and choose a unit:	Density Altitude in feet:
<input type="text" value="98"/> <input checked="" type="radio"/> Fahrenheit <input type="radio"/> Celsius <input type="radio"/> Kelvin	<input type="text" value="4481.2"/> ft
Enter the actual station pressure (not the altimeter setting) and choose a unit:	Density Altitude in meters:
<input type="text" value="28.27"/> <input checked="" type="radio"/> in of mercury <input type="radio"/> mm of mercury <input type="radio"/> millibars (hPA)	<input type="text" value="1365.9"/> m
Enter the dewpoint and choose a unit:	
<input type="text" value="41"/> <input checked="" type="radio"/> Fahrenheit <input type="radio"/> Celsius <input type="radio"/> Kelvin	
<input type="button" value="Convert"/>	<input type="button" value="Clear Values"/>

STATION INFO
 ID: OD159
 NAME: OR126 EB @ McKenzie
 (OR126 MP47.14)
 LATITUDE: 44.17278
 LONGITUDE: [122.22689](#)
 ELEVATION: 1232 ft
 MNET: ODOT
 LAND COVER: [2001 USGS](#)
 DATA COURTESY OF:
[Oregon Department of Transportation](#)



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Weather Conditions for OD159

Current Time: 08/28/2019 14:42 PDT

Most Recent Weather Conditions at: 08/28/2019 14:32 PDT

Graphical Links	14:32	Max Since 0:00 (PDT)	Min Since 0:00 (PDT)	24 Hour Maximum	24 Hour Minimum
Temperature	96.1° F	96.1 at 14:32	53.4 at 6:54	98.4 at 18:06	53.4 at 6:54
Dew Point	48.5° F	52.7 at 0:10	47.4 at 11:06	54.3 at 22:30	41.0 at 18:06
Wet bulb temperature	66.0° F	66.0 at 14:32	50.8 at 6:54	66.0 at 14:32	50.8 at 6:54
Relative Humidity	20%	85 at 6:28	20 at 14:32	85 at 6:28	14 at 18:06
Wind Speed	6.0 mph	6.0 at 14:32	0.9 at 12:36	6.0 at 14:32	0.9 at 12:36
Wind Gust	14.1 mph	14.1 at 14:32	0.9 at 8:24	14.1 at 14:32	0.9 at 8:24
Wind Direction	W	-	-	-	-

*Note: Observations above in **yellow** indicate that they are older than the last row of observations below.

Tabular Listing of 17 Observations from 08/27/2019 18:06 PDT to 08/28/2019 14:32 PDT:

Time (PDT)	Temperature °F	Dew Point °F	Wet bulb temperature °F	Relative Humidity %	Wind Speed mph	Wind Gust mph	Wind Direction	Quality Control
14:32	96.1	48.5	66.0	20	6.0	14.1	W	OK
12:36	92.5	48.1	64.8	22	0.9	6.0	SW	OK
11:06	81.9	47.4	61.0	30	4.0	4.9	W	OK
9:40	81.0	48.3	61.1	32	0.9	4.0	S	OK
8:24	67.8	52.5	58.4	58		0.9	E	OK
7:56	56.3	49.9	52.6	79			E	OK
7:30	54.5	49.1	51.5	82			E	OK
6:54	53.4	48.7	50.8	84			SE	OK
6:28	53.4	49.0	51.0	85			E	OK
6:14	53.4	49.0	51.0	85			E	OK
4:48	54.9	49.8	52.0	83		0.9	E	OK
3:54	56.3	50.2	52.8	80		0.9	SE	OK
3:08	57.4	50.6	53.4	78			E	OK
0:10	62.6	52.7	56.6	70			E	OK
23:54	63.3	53.4	57.3	70			SE	OK
22:30	67.8	54.3	59.4	62			E	OK
18:06	98.4	41.0	64.1	14	2.0	8.1	NE	N/A

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