



MEMORANDUM FOR RECORD

Brian C. Rayner
Senior Air Safety Investigator
Eastern Region Aviation

February 12, 2016

Subject: ERA16LA106 Destin FL Weather Synopsis
Name: Paul Suffern – Senior Meteorologist (NTSB)

Mr. Suffern provided weather information and analysis during an extended email conversation. The following weather information and Sun and Moon data was excerpted from the chain.

		METAR KDTS 120253Z AUTO 24007G15KT 200V270 10SM CLR 12/02/2016 02:53- 17/15
SA	>	A3019 RMK A02 SLP222 T01720150 51004 TSN0=
		METAR KDTS 120153Z AUTO 24008KT 10SM CLR 17/15 A3019 12/02/2016 01:53- RMK
SA	>	A02 SLP221 T01720150 TSN0=
		METAR KDTS 120053Z AUTO 24007G15KT 10SM CLR 17/14 12/02/2016 00:53- A3018 RMK
SA	>	A02 SLP220 T01720144 TSN0=
		METAR KDTS 112353Z AUTO VRB06KT 10SM CLR 17/14 A3017 11/02/2016 23:53- RMK
SA	>	A02 SLP217 T01720144 10194 20172 53009 TSN0=
		METAR KDTS 112253Z AUTO 24009G14KT 10SM CLR 18/14 11/02/2016 22:53- A3016 RMK
SA	>	A02 SLP212 T01780139 TSN0=

Weather at 0053 UTC, wind from 240 degrees at 7 knots with gusts to 15 knots, 10 miles visibility, clear skies below 12,000 feet agl, temperatures 17 degrees C, dew point temperature 14 degrees C, altimeter 30.18 inHg. Remarks, station with a precipitation discriminator, sea level pressure 1022.0 hPa, temperature 17.2 C, dew point temperature 14.4 C, thunderstorm sensor not operating.

Weather at 2353 UTC, variable wind at 6 knots, 10 miles visibility, clear skies below 12,000 feet agl, temperatures 17 degrees C, dew point temperature 14 degrees C, altimeter 30.17 inHg. Remarks, station with a precipitation discriminator, sea level pressure 1021.7 hPa, temperature 17.2 C, dew point temperature 14.4 C, 6-hour maximum temperature 19.4 C, 6-hourly minimum temperature 17.2 C, 3-hourly pressure increase of 0.9 hPa, thunderstorm sensor not operating.

SA	12/02/2016 00:55- >	METAR KVPS 120055Z 23009KT 10SM CLR 16/14 A3017 RMK A02A SLP220 T01610139 \$=
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SA	11/02/2016 23:56- >	METAR KVPS 112356Z 23009KT 10SM FEW023 17/14 A3016 RMK A02A SLP217 T01660136 10195 20166 53011 \$=
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SA	12/02/2016 00:56- >	METAR KQBL 120056Z AUTO 00000KT 8SM CLR 16/15 A3020 RMK A02 SLP229 T01580147=
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SA	11/02/2016 23:56- >	METAR KQBL 112356Z AUTO 00000KT 10SM CLR 16/15 A3020 RMK A02 SLP229 T01610145 10199 20161 53009=
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SA	12/02/2016 00:58- >	METAR KHRT 120058Z AUTO VRB06KT 10SM CLR 16/14 A3017 RMK A02 SLP218 T01620138 \$=
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SA	11/02/2016 23:58- >	METAR KHRT 112358Z AUTO 23008KT 10SM CLR 16/13 A3016 RMK
		A02 SLP215 60000 T01630133 10192 20163
		52010 \$=

Sun went down just before landing and twilight was over too... moon was up though but only 13% illuminated and setting itself in the west... at 2106 CST...

Destin, Okaloosa County, FL (Longitude W86° 29', Latitude N30° 24')

Thursday, February 11, 2016 Central Standard Time

Sun

Begin civil twilight 6:05 a.m.

Sunrise 6:30 a.m.

Sun transit 12:00 p.m.

Sunset 5:31 p.m.

End civil twilight 5:55 p.m.

Moon

Moonrise 8:34 a.m.

Moon transit 2:47 p.m.

Moonset 9:06 p.m.

Closest Primary Moon Phase: New Moon on February 8, 2016 at 8:39 a.m. (local standard time)

Phase of the Moon on February 11, 2016: Waxing Crescent with 13% of the Moon's visible disk illuminated.