



MEMORANDUM FOR RECORD

Stephen Stein
Air Safety Investigator
National Transportation Safety Board
Office of Aviation Safety – Eastern Region Aviation

Weather Report – Winds and Temperatures Data During Cruise Flight and Field Weather for Norman Manley International Airport (MKJP), Palisadoes, Jamaica
Date & Time: September 5, 2014; 1410 ET
NTSB Accident Number: ERA14LA424

The following winds and temperatures data was prepared by an NTSB meteorology investigator. The weather study found convective activity by South Carolina, Georgia, and Florida at the time of the accident flight.

Latitude:	43.12
Longitude:	-77.68
Model Date:	5-Sep-2014
Model Time:	12:00:00 Zulu

Height (feet)	Temp (deg C)	D Temp (deg C)	Wind Dir (true)	Wind Mag (knots)
40577	-54	-63	255	28
35772	-44	-49	242	23
31665	-34	-40	275	23
28054	-25	-33	293	14
24833	-19	-28	260	11
21920	-13	-22	258	21
19273	-10	-14	266	22
16843	-6	-9	274	22
14583	-1	-8	270	20
12471	4	-7	259	17
10483	7	-5	256	18
9532	10	-1	256	19
8603	12	2	258	21

7701	14	6	259	23
6819	15	8	260	24
5963	17	9	261	22
5127	18	11	260	22
4313	19	14	262	21
3516	20	17	267	21
2736	22	17	270	21
1971	23	16	262	20
1227	24	17	240	19
515	22	19	197	6

Latitude:	36.42
Longitude:	-80.91
Model Date:	5-Sep-2014
Model Time:	15:00:00 Zulu

Height (feet)	Temp (deg C)	D Temp (deg C)	Wind Dir (true)	Wind Mag (knots)
40793	-55	-59	248	10
36005	-43	-47	259	18
31878	-33	-36	263	19
28254	-24	-27	242	14
25017	-17	-18	233	10
22088	-12	-12	246	12
19411	-7	-8	257	12
16951	-3	-4	264	9
14675	1	-2	259	7
12549	4	1	234	6
10562	7	5	202	5
9610	9	7	192	6
8685	10	9	187	6
7783	12	10	186	7
6908	14	11	187	7
6055	15	13	191	7
5218	17	14	194	7
4402	18	16	204	5
3608	19	18	227	5
2831	21	19	232	5
2070	22	20	201	2
1712	24	21	193	2

Latitude:	23.59
Longitude:	-77.68
Model Date:	5-Sep-2014
Model Time:	18:00:00 Zulu

Height (feet)	Temp (deg C)	D Temp (deg C)	Wind Dir (true)	Wind Mag (knots)
40718	-56	-63	61	9
35929	-43	-55	67	11
31813	-33	-43	81	8
28195	-25	-31	110	3
24980	-20	-26	141	1
22081	-14	-23	148	0
19427	-8	-16	110	3
16977	-3	-14	111	9
14694	2	-11	104	12
12559	6	-5	97	13
10552	10	0	91	14
9591	12	2	89	16
8656	13	3	87	16
7754	14	5	87	17
6875	15	7	89	17
6016	17	9	92	17
5179	18	11	95	18
4362	20	14	97	19
3562	21	16	97	19
2781	23	17	94	19
2014	24	20	85	20
1263	26	23	84	19
518	28	24	84	18
0	30	26	84	15

MKJP is a nearby weather observation facility located about 41 nautical miles southeast of the accident site.

METAR/SPECI from MKJP, Kingston / Norman Manley (Jamaica).

SA	05/09/2014 23:00- >	METAR MKJP 052300Z 33005KT 9999 FEW018 SCT020CB BKN090 30/25 Q1012=
SA	05/09/2014 22:00- >	METAR COR MKJP 052200Z 25004KT 9999 FEW018 SCT020CB BKN090 30/25 Q1012=

SA	05/09/2014 21:00- >	METAR MKJP 052100Z 08006KT 9999 FEW018 BKN020CB 30/24 Q1012=
SA	05/09/2014 20:00- >	METAR MKJP 052000Z 12017KT 9999 FEW018 BKN020CB 31/24 Q1012=
SA	05/09/2014 19:00- >	METAR MKJP 051900Z 13020KT 9999 FEW018 BKN020CB 32/24 Q1012=
SA	05/09/2014 18:00- >	METAR MKJP 051800Z 14020KT 9999 SCT018 FEW020CB 33/25 Q1013=
SA	05/09/2014 17:00- >	METAR MKJP 051700Z 13019KT 9999 FEW020 32/25 Q1013=
SA	05/09/2014 16:00- >	METAR MKJP 051600Z 14019KT 9999 SCT020 31/25 Q1014=
SA	05/09/2014 15:00- >	METAR MKJP 051500Z 13014KT 9999 FEW020 SCT080 32/25 Q1015=
SA	05/09/2014 14:00- >	METAR MKJP 051400Z 32006KT 9999 FEW022 SCT032 30/24 Q1015=