



National Transportation Safety Board

**Office of Aviation Safety
Washington, D.C. 20594-2000
December 18, 2017**

**ATTACHMENT 4 to the METEOROLOGY FACTUAL REPORT
DCA17FA076**

YIP RWIS 5R/TD RPU data (selected parameters) for the accident day.

*Submitted by: Mike Richards
NTSB, AS-30*

<u>Date</u>	<u>Time (EST)</u>	<u>Surface Temperature (°F)</u>	<u>Pressure (hPa)</u>	<u>Air Temperature (°F)</u>	<u>Dew Point Temperature (°F)</u>	<u>Relative Humidity (%)</u>	<u>2-Minute Average Wind Magnitude (mph)</u>	<u>2-Minute Average Wind Direction (°mag)</u>	<u>10-Minute Instantaneous "gust" (mph)</u>
03082017	0703	32.4	985.9	36.7	27.5	69.0	10.3	195	14.5
03082017	0708	32.5	985.9	36.9	27.1	67.0	10.5	190	14.1
03082017	0713	32.7	985.9	37.6	27.1	65.0	12.1	195	16.6
03082017	0718	32.9	985.6	37.9	27.0	64.0	12.5	200	18.1
03082017	0723	33.3	985.6	37.8	27.0	64.0	12.3	195	18.8
03082017	0728	33.6	985.6	38.3	26.8	63.0	15.2	195	19.7
03082017	0733	34.0	985.6	38.8	26.4	60.0	15.2	200	20.4
03082017	0738	34.5	985.6	39.2	26.6	60.0	15.4	200	22.4
03082017	0743	35.1	985.6	39.4	26.4	60.0	16.3	200	22.4
03082017	0748	35.4	985.6	39.6	26.4	59.0	20.1	195	24.4
03082017	0753	36.0	985.6	39.7	26.6	59.0	16.1	210	27.1
03082017	0758	36.3	985.6	39.9	26.6	58.0	15.7	210	24.4
03082017	0803	36.9	985.2	39.9	26.8	59.0	16.1	200	23.5
03082017	0808	37.4	985.2	40.3	26.6	58.0	16.1	210	25.1
03082017	0813	37.9	985.2	40.5	26.4	57.0	18.1	210	25.1
03082017	0818	38.5	985.2	40.6	26.4	56.0	15.9	215	25.1
03082017	0823	39.0	985.2	40.8	25.9	54.0	19.0	205	25.5
03082017	0828	39.6	984.9	41.0	25.9	54.0	18.6	200	25.9
03082017	0833	40.1	-	-	-	-	-	-	-
03082017	0838	40.8	984.9	41.7	26.1	53.0	17.4	210	25.5
03082017	0843	41.4	984.9	42.1	25.5	51.0	17.9	225	25.9
03082017	0848	42.1	984.9	42.4	25.9	51.0	16.6	205	25.9
03082017	0853	42.8	984.9	43.2	24.6	47.0	17.7	210	30.2
03082017	0858	43.5	984.9	43.5	24.4	46.0	18.3	200	28.2
03082017	0903	44.2	984.9	43.9	23.2	43.0	18.6	210	28.6
03082017	0908	45.0	984.9	44.2	23.0	42.0	16.1	220	28.6
03082017	0913	45.7	984.5	44.8	21.7	39.0	20.1	215	28.6
03082017	0918	46.4	984.5	45.0	21.9	40.0	19.2	225	27.5
03082017	0923	46.9	984.5	45.1	21.4	38.0	23.5	220	29.8
03082017	0928	47.5	984.5	45.3	20.5	36.0	27.5	235	38.5
03082017	0933	47.8	984.5	45.5	20.5	36.0	23.5	230	42.3
03082017	0938	48.6	984.2	45.7	20.3	36.0	25.3	230	42.3
03082017	0943	49.1	984.2	45.9	19.8	35.0	23.7	225	33.8
03082017	0948	50.0	984.2	46.0	19.4	34.0	26.2	220	36.0
03082017	0953	50.4	984.2	46.4	19.8	34.0	26.8	225	39.1
03082017	0958	51.3	984.2	47.1	20.5	34.0	20.1	225	39.1
03082017	1003	51.8	983.8	47.1	20.3	34.0	24.6	220	36.0
03082017	1008	52.5	983.8	47.3	20.3	34.0	23.3	215	37.6
03082017	1013	52.9	983.8	47.3	20.8	34.0	23.3	225	38.5
03082017	1018	53.6	983.8	47.8	20.7	33.0	22.8	225	38.5
03082017	1023	54.0	983.8	47.7	20.3	33.0	21.7	220	36.5

03082017	1028	54.7	983.8	48.7	18.7	30.0	23.9	220	34.9
03082017	1033	55.2	983.8	48.6	12.6	23.0	32.0	235	47.4
03082017	1038	55.6	983.5	48.6	11.8	22.0	37.1	240	47.4
03082017	1043	55.4	983.8	48.4	13.3	24.0	32.0	240	47.9
03082017	1048	56.3	983.8	48.9	14.5	25.0	27.5	245	47.9
03082017	1053	56.8	983.8	49.5	14.7	24.0	29.8	250	43.8
03082017	1058	57.2	983.5	48.6	13.6	24.0	34.4	235	49.0
03082017	1103	57.4	983.5	48.9	14.7	25.0	33.3	240	49.0
03082017	1108	57.7	983.5	48.7	14.5	25.0	32.0	230	46.3
03082017	1113	58.1	983.8	49.1	15.6	26.0	30.0	230	45.9
03082017	1118	59.2	983.8	49.1	15.3	25.0	23.7	240	42.7
03082017	1123	59.0	983.8	48.9	13.5	23.0	37.1	240	49.0
03082017	1128	59.7	983.8	49.1	14.0	24.0	29.8	245	49.0
03082017	1133	59.4	983.8	49.1	9.5	19.0	38.3	245	51.7
03082017	1138	59.7	983.5	49.5	10.0	20.0	33.6	245	59.5
03082017	1143	60.1	983.8	49.1	10.8	21.0	38.0	245	57.3
03082017	1148	61.0	983.5	49.8	12.6	22.0	26.2	250	50.6
03082017	1153	61.5	983.5	50.2	13.1	22.0	27.3	245	47.9
03082017	1158	61.7	983.5	49.8	12.4	22.0	32.9	235	46.3
03082017	1203	61.9	983.5	49.6	11.5	21.0	34.0	230	46.3
03082017	1208	62.1	983.5	49.8	12.6	22.0	32.0	240	45.9
03082017	1213	62.4	983.5	49.8	13.1	22.0	30.6	245	43.8
03082017	1218	62.4	983.5	50.2	13.5	22.0	32.2	245	42.7
03082017	1223	63.5	983.1	50.7	12.9	21.0	28.0	240	40.7
03082017	1228	63.5	983.1	50.7	12.2	21.0	30.9	230	43.8
03082017	1233	64.0	983.1	50.7	12.2	21.0	32.7	235	44.7
03082017	1238	64.0	982.8	50.9	10.6	19.0	33.8	230	49.4
03082017	1243	64.0	983.1	50.9	9.9	18.0	28.6	245	49.4
03082017	1248	64.8	982.8	51.3	10.4	19.0	28.4	240	45.4
03082017	1253	64.4	982.8	51.4	9.0	17.0	31.3	230	49.0
03082017	1258	64.8	982.4	51.8	8.8	17.0	29.8	240	49.4
03082017	1303	65.1	982.4	52.2	10.6	18.0	32.4	240	49.0
03082017	1308	64.8	982.1	51.8	7.7	16.0	31.1	245	51.0
03082017	1313	64.8	982.1	51.8	5.5	15.0	38.5	235	51.0
03082017	1318	65.1	982.4	51.8	5.9	15.0	30.6	250	52.1
03082017	1323	65.3	982.4	52.0	6.8	15.0	28.2	250	44.3
03082017	1328	65.8	982.1	53.1	7.2	15.0	26.2	255	42.7
03082017	1333	65.5	982.1	52.7	2.8	12.0	32.4	260	53.7
03082017	1338	65.5	982.1	52.3	3.4	13.0	35.6	250	53.7
03082017	1343	65.8	982.4	52.7	4.3	13.0	31.1	245	49.0
03082017	1348	66.4	982.4	52.3	5.7	14.0	30.6	250	47.0
03082017	1353	65.3	982.4	52.2	3.7	13.0	35.3	250	45.4
03082017	1358	65.1	982.4	52.2	5.9	15.0	30.0	255	50.6

03082017	1403	65.3	982.8	51.6	5.5	15.0	33.8	240	48.5
03082017	1408	64.9	982.8	51.6	5.4	14.0	35.8	240	51.7
03082017	1413	64.8	982.8	51.4	4.1	14.0	34.4	250	51.7
03082017	1418	65.1	982.8	52.2	7.3	16.0	30.4	240	44.7
03082017	1423	64.8	982.8	50.7	5.4	15.0	36.5	250	50.1
03082017	1428	65.1	983.1	51.6	8.1	17.0	28.4	245	50.1
03082017	1433	64.8	983.5	51.3	8.8	17.0	31.3	250	50.6
03082017	1438	64.4	983.1	51.1	7.5	16.0	33.1	255	50.6
03082017	1443	63.7	983.1	50.9	7.7	17.0	36.0	235	56.4
03082017	1448	64.6	983.1	51.3	7.9	17.0	29.5	250	49.4
03082017	1453	64.2	983.1	51.6	7.9	16.0	28.0	255	42.3
03082017	1458	64.8	983.5	51.3	10.4	19.0	35.1	240	47.4
03082017	1503	63.9	983.5	50.9	10.6	19.0	27.7	245	47.4
03082017	1508	63.7	983.5	51.1	9.1	18.0	33.1	255	44.3
03082017	1513	64.0	983.8	51.1	10.8	19.0	20.4	255	44.3
03082017	1518	63.5	983.8	50.9	9.7	18.0	32.9	255	44.3
03082017	1523	62.8	983.5	50.0	8.2	18.0	41.8	245	53.7
03082017	1528	62.4	983.8	50.5	9.7	19.0	28.9	260	57.3
03082017	1533	62.4	984.2	50.4	9.1	18.0	26.4	255	49.4
03082017	1538	62.4	984.2	51.3	10.9	19.0	21.3	250	41.6
03082017	1543	62.1	984.2	50.7	11.3	20.0	20.8	250	43.2
03082017	1548	61.3	984.5	50.0	10.0	19.0	34.0	260	45.9
03082017	1553	60.8	984.5	50.4	10.2	19.0	31.1	260	45.9
03082017	1558	60.8	984.2	50.4	10.6	19.0	26.8	245	44.3
03082017	1603	60.4	984.2	50.2	10.0	19.0	32.2	260	43.2
03082017	1608	60.4	984.5	50.2	10.9	20.0	32.9	250	43.8
03082017	1613	59.9	984.5	49.8	10.9	20.0	34.0	235	46.3
03082017	1618	59.2	984.5	49.8	10.0	19.0	34.4	260	52.1
03082017	1623	58.8	984.9	50.0	10.6	20.0	31.1	250	52.1
03082017	1628	58.5	984.9	49.6	10.4	20.0	33.3	250	52.1
03082017	1633	57.9	984.9	50.2	12.0	21.0	25.3	255	45.9
03082017	1638	57.6	984.9	50.0	11.5	21.0	31.1	245	47.0
03082017	1643	57.4	984.9	49.8	11.3	20.0	27.7	250	42.7
03082017	1648	57.0	984.9	49.8	11.1	20.0	32.7	255	42.7
03082017	1653	56.5	985.2	50.0	11.5	21.0	28.0	250	42.7
03082017	1658	55.9	984.9	49.8	12.0	21.0	27.1	255	42.7