

U.S. Dep't. of Commerce / NMAO / NOAA / Aircraft Operations Center

FLT ID: 20110826N2	From: KMCF	To: KMCF
FLT #: 11-079	Blk In: 0128 Z	Lnd Time(on): 0120
ETD: 1730z	Blk Out: 1715 Z	T/O Time (off): 1725 Z
ETE: 8+30	Total Blk: 8.2	Total Flt: 7.9
Sponsoring Org: NHC	Program: PHS	Purpose: IRENE

AOC Flight Crew

Aircraft Commander: HAGAN	Data System: HILL
Co-Pilot: TOTH, SIMS	Avaps: DEFED/NEWMAM
Navigator: /	System Engineer: GOLDSTEIN (TAR)
Flight Eng: /	ANTHONY REYNES
Flt Director: HENNING MORGAN	AA: NWSFO RUSKIN
Avionics:	Crew Chief:

Participating Scientists, Visitors, & Add'l Aircrew on back.

of people listed on back:

	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure				

ATIS - Takeoff	(1009.7) +/o altim: 29.82
ATIS - Land	(1009.3) land 29.81

Data Source	Number	Data Disposition / Date / Quality / File Name(s)
Flight Level Tapes		
Radar Tapes		
Dropsondes	36	Good: 35 Bad: 1 Sent:
AXBT		

List other data sources on back in Remarks section.

Remarks (Storm Name, Mission ID, Recco Times, Fix Times)	Recco Times:	Fix #	Fix Time
Storm Name:			
Mission ID: NOAA9 2809A IRENE AL092011			

~~YOKOTA JAX~~

~~274-3-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-1073-1074-1075-1076-1077-1078-1079-1080-1081-1082-1083-1084-1085-1086-1087-1088-1089-1090-1091-1092-1093-1094-1095-1096-1097-1098-1099-1100-1101-1102-1103-1104-1105-1106-1107-1108-1109-1110-1111-1112-1113-1114-1115-1116-1117-1118-1119-1120-1121-1122-1123-1124-1125-1126-1127-1128-1129-1130-1131-1132-1133-1134-1135-1136-1137-1138-1139-1140-1141-1142-1143-1144-1145-1146-1147-1148-1149-1150-1151-1152-1153-1154-1155-1156-1157-1158-1159-1160-1161-1162-1163-1164-1165-1166-1167-1168-1169-1170-1171-1172-1173-1174-1175-1176-1177-1178-1179-1180-1181-1182-1183-1184-1185-1186-1187-1188-1189-1190-1191-1192-1193-1194-1195-1196-1197-1198-1199-1200-1201-1202-1203-1204-1205-1206-1207-1208-1209-1210-1211-1212-1213-1214-1215-1216-1217-1218-1219-1220-1221-1222-1223-12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N49RF AOC GPS Dropwindsonde Log

Flight ID: 20110826N2

Flight Director: HENNING/MORGAN

Mission ID: N0AA9 2309A

Storm/Track: IRENE

Pg 1 of 2

Drop #	Ob #	Sonde ID	Drop Time (UTC)	Lat (°N)	Lon (°E)	Wx Cond.	L5/R5?	SFC PRS (mb)	Last Wind Alt (m)	Comments	Ch #	SatComm failures	KWBC #
1	01	103115356	1756	27.0°N	-79.0°E	few Cu	R5	1007.6	sfc		1		1816
2	02	101455218	1810	27.0°N	-77.0°E		R5	1008.5	sfc		2		1833
3	03	101655144	1825	27.0°N	-75.0°E	Cs layer	R5	1009.5	sfc		3		1847
4	04	101935273	1839	27.0°N	-73.0°E	Sc+Cu, h+cs	R5	1012.5	sfc		4		1913
5	05	101655129	1849	27.9°N	-72.2°E		R5	1012.8	sfc		1		1924
6	06	101715175	1902	26.1°N	-73.8°E	Cs	R5	1010.0	sfc		2		1931
7	07	103115359	1912	29.0°N	-73.0°E		R5	1010.2	sfc		3		1942
8	08	103115477	1922	30.0°N	-72.0°E		R5	1011.2	sfc		4		1954
9	09	101655119	1932	30.9°N	-71.2°E		R5	1012.3	sfc		1		2000
10	10	102125008	1945	31.1°N	-72.8°E		R5	1008.2	sfc		2		2011
11	11	101715165	1955	32.0°N	-72.0°E		R5	1010.1	sfc		3		2022
12	12	102615156	2005	33.0°N	-71.1°E		R5	1013.7	sfc		4		2033
13	13	101655191	2016	34.0°N	-71.9°E		R5	1012.9	sfc		1		2058
14	14	102125011	2025	35.0°N	-71.0°E		R5	1014.9	sfc		2		2049
15	15	102315024	2035	36.0°N	-70.0°E		R5	1016.1	sfc		3		2056
16	16	101655070	2059	37.9°N	-67.2°E		R5	1017.9	sfc		4		2123
17	17	101425136	2113	38.0°N	-69.0°E		R5	1016.4	sfc		1		2141
18	18	102515009	2129	38.0°N	-71.0°E		R5	1015.8	sfc		2		2155
19	19	101655048	2144	37.9°N	-72.9°E		R5	1014.3	sfc		3		2208
20	20	103125114	2200	36.0°N	-72.1°E		R5	1013.4	sfc		4		2225
21	21	101425162	2212	35.2°N	-73.2°E		R5	1011.0	sfc		1		2237
22	22	101655158	2221	35.9°N	-74.0°E		R5	1011.2	sfc		2		2304
23	23	101935271	2233	35.0°N	-75.0°E		R5	1006.6	sfc		3		2304
24	24	103115459	2243	33.8°N	-75.5°E		R5	997.5	sfc		4		2326
25	25	101935274	2254	34.0°N	-74.0°E		R5	1004.0	sfc		1		2327
26	26	101935262	2304	33.0°N	-73.1°E		R5	1005.7	sfc		2		2333
27	27	101025134	2317	32.6°N	-74.8°E		R5	996.3	sfc		3		2345
28	28	101715130	2327	31.4°N	-74.5°E		R5	996.6	sfc		4		2350
29	29	101655226	2338	30.1°N	-74.8°E		R5	1002.1	sfc		1		0003
30	30	103455067	2349	29.0°N	-75.7°E		R5	1004.4	sfc		2		0011
31	31	101655159	2346	28.5°N	-77.0°E		R5	1005.2	sfc		3	NO LAUNCH DETECTED	0025
32	31	101935272	0000	28.5°N	-77.0°E		R5	1005.2	sfc		4		0025
33	32	101655159	0009	28.5°N	-78.2°E		R5	1006.6	sfc		1		0033

2315
recent 2315
2315
11 2257

11 2317
11 2316 2335

11 2336
11 2337
11 2337

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[illegible]

N49RF AVAPS DROP LOG

Lead Tech: Gabe Defeo

Project : Hurricane 2011

Mission: Lower Hurricane Surge HanesFlight ID: 20110826 N2Take Off: 1725Landing: 0120Flt Dir: Rth

Training

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Winds Time	Operator	Charge \$\$ To	Comments	Good ?
1	103 115 388	1	Ø	175627		JNF	PHS NWS		✓
2	101 655 218	2	-.4	181045					✓
3	101 655 114	3	.5	182503					✓
4	101 935 273	4	.9	183932					✓
5	101 655 129	1	.7	184938					✓
6	101 715 175	2	Ø	190236					✓
7	103 115 359	3	Ø	191219					✓
8	103 115 477	4	.7	192058					✓
9	101 655 119	1	.4	193251					✓
10	102 125 008	2	.5	194547					✓
11	101 715 165	3	.7	195515					✓
12	102 815 156	4	Ø	200530					✓
13	101 655 191	1	Ø	201601					✓
14	102 125 011	2	Ø	202540					✓
15	102 315 024	3	.6	203556					✓
16	101 655 070	4	.6	205930					✓
17	101 425 136	1	.4	211334					✓
18	102 515 009	2	Ø	212905					✓
19	101 655 068	3	.5	214413					✓
20	103 175 114	4	.7	220032					✓
21	101 425 162	1	1.0	221258					✓
22	101 655 158	2	.7	222145					✓
23	101 935 271	3	Ø	223308					✓
24	103 115 459	4	.4	224355					✓
25	101 935 274	1	.6	225413					✓
26	101 935 262	2	1.1	230410					✓
27	101 025 134	3	.9	231722					✓
28	101 715 130	4	Ø	232725					✓
29	101 655 226	1	.6	233847				Missing data in serial spots	
30	103 455 067	2	.8	234915					
31	101 655 177	3	.8	2359				No Launch Detect	
32	101 935 272	4	.9	000027				Space for 31	
33	101 655 159	1	.6	000902					✓
34	101 655 077	2	.7	001957		JNF			✓

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Winds Time	Operator	Charge \$\$ To	Comments	Good ?
35	101 715 142	4	.8	002934		JKN	PJS		✓
36	101 655 155	1	.5	003905		JKN	PJS		✓
37									
38									
39									
40									
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57									

Drop Station Operator Notes

AVAPS Pre-Flight Check:

- Apply power to computer first, then AVAPS fan and AVAPS chassis.
- Start AVAPS., then start Soundings and set the Project Name and Flight ID.
- Update the Frequency band allocation as required:
Band A - W53rd, Band B - N42RF, Band C - N43RF, Band D - N49RF, Band E - not allocated
- Perform a prelaunch check on each channel, look for reasonable data and no CRC error status lights. On channel #1 only, select **Begin Data Collection**, then terminate the sonde. On channels 2 through 4, select **Abort** to cancel the sonde initialization. **STOP** the channel #1 sounding, enter **no drop** in the comments.
- 1. Verify the AVAPS Data mission folder has been created, and it contains files created from the channel #1 sonde.

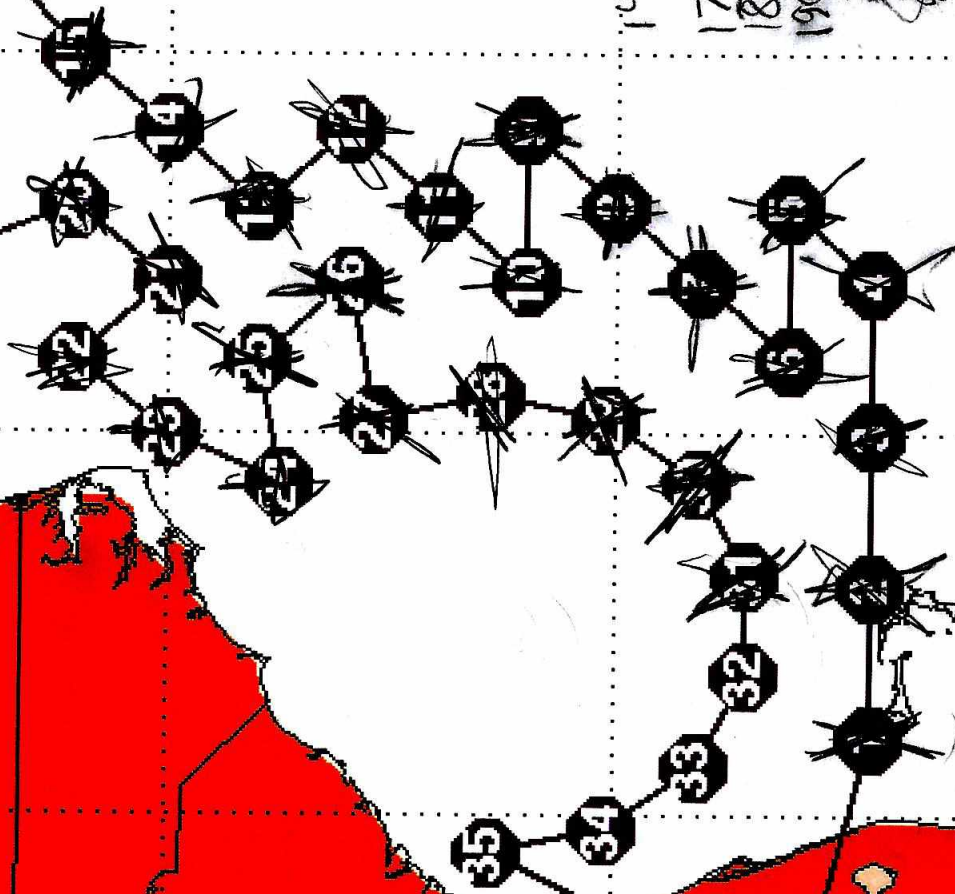
AVAPS Launch:

- Select a sonde frequency in the Green band and away from other sondes
- Enter sonde pressure error offset if 0.4mB or greater
- To avoid interference with active sondes, do not pull the Power Enable Pin during pre-launch setup until after the umbilical is attached
- Select "begin data collection" and verify good data (no winds yet though) prior to putting sonde in launch tube
- For AVAPS I sondes, remove then reinstall screen over chute cap
- Loosen ribbon and extend end of ribbon to near, but not over, the sensor end of the sonde
- Place the sonde in the launch tube, sensor arm up, with the power pin socket facing starboard
- Verify the sonde is actively tracking GPS data prior to launch

NOAA G-IV Flight Track Drop

Locations for IRENE (AL09201-

On 2011082700 the storm was centered at 14;-77.5



DROP #27 88 KTS

25 10

14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35

85W

75W

70W

65W