

## FLIGHT SUMMARY REPORT

**Flight Number:** 02-912  
**Calendar/Julian Date:** 30 October 2001 • 303  
**Sensor Package:** Wild-Heerbrugg RC-30  
 Wild-Heerbrugg RC-10  
 MODIS/ASTER Airborne Simulator (MASTER)  
 Airborne Visible/Infrared Imaging Spectrometer  
 (AVIRIS)  
**Area(s) Covered:** Big Island of Hawaii, Kahoolawe  
**Investigator(s):** Asner, U of CO; Goodman, UC Davis;  
 Kahle and Realmuto, JPL **Aircraft #** 809

### SENSOR DATA

<b>Accession #:</b>	05663	05669	-----	-----
<b>Sensor ID #:</b>	132	034	124	099
<b>Sensor Type:</b>	RC-30	RC-10	MASTER	AVIRIS
<b>Focal Length:</b>	12"	12"	-----	-----
	303.12 mm	304.66 mm		
<b>Film Type:</b>	Aerochrome IR SO-134	Aerochrome MS EK2448	-----	-----
<b>Filtration:</b>	Wratten 12	2E	-----	-----
<b>Spectral Band:</b>	510-900nm	415-700 nm	-----	-----
<b>f Stop:</b>	11	11	-----	-----
<b>Shutter Speed:</b>	1/350	1/350	-----	-----
<b># of Frames:</b>	89	21	-----	-----
<b>% Overlap:</b>	70%	70%	-----	-----
<b>Quality:</b>	Excellent	Excellent	-----	-----
<b>Remarks:</b>	Add 2 seconds for correct UTC	Subtract 3 seconds for correct UTC		

**CAMERA FLIGHT LINE DATA**  
**FLIGHT NO. 02-912**

Accession # 05663

Sensor # 132

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	2056-2066	19:22:45	19:27:35	34700/10580	10% cumulus, frames 2061-2064
C - D	2067-2079	19:31:29	19:37:17	34700/10580	10-30% cumulus, frames 2067-2069; frame 2068 oblique
E - F	2080-2087	20:10:59	20:14:19	35000/10670	30-80% cumulus, frames 2080-2082; 10-20% cumulus, frames 2083-2085; 30% cumulus frames 2086-2087
G - H	2088-2093	20:22:18	20:24:41	35000/10670	Minor-10% cumulus, frames 2088-2091
G - I	2094-2100	20:30:44	20:33:35	35000/10670	30-70% cumulus, frames 2094-2098; 10% cumulus, frame 2099
J - K	2101-2107	20:40:05	20:42:56	35000/10670	10-60% cumulus
L - M	2108-2117	21:02:36	21:06:52	64500/19660	10-40% cumulus, frames 2108-2110
G - N	2118-2127	21:11:59	21:16:15	66600/20300	40-80% cumulus, frames 2118-2120; 10% cumulus, frames 2121 and 2125; 30-50% cumulus, frames 2126-2127
O - F	2128-2137	21:21:48	21:26:04	66800/20370	10% cumulus, frames 2128, 2123-2137
J - K	2138-2144	21:57:47	22:00:37	35000/10670	10-20% cumulus, frames 2138-2142; 50-70% cumulus, frames 2143-2144

**CAMERA FLIGHT LINE DATA**  
**FLIGHT NO. 02-912**

Accession # 05669

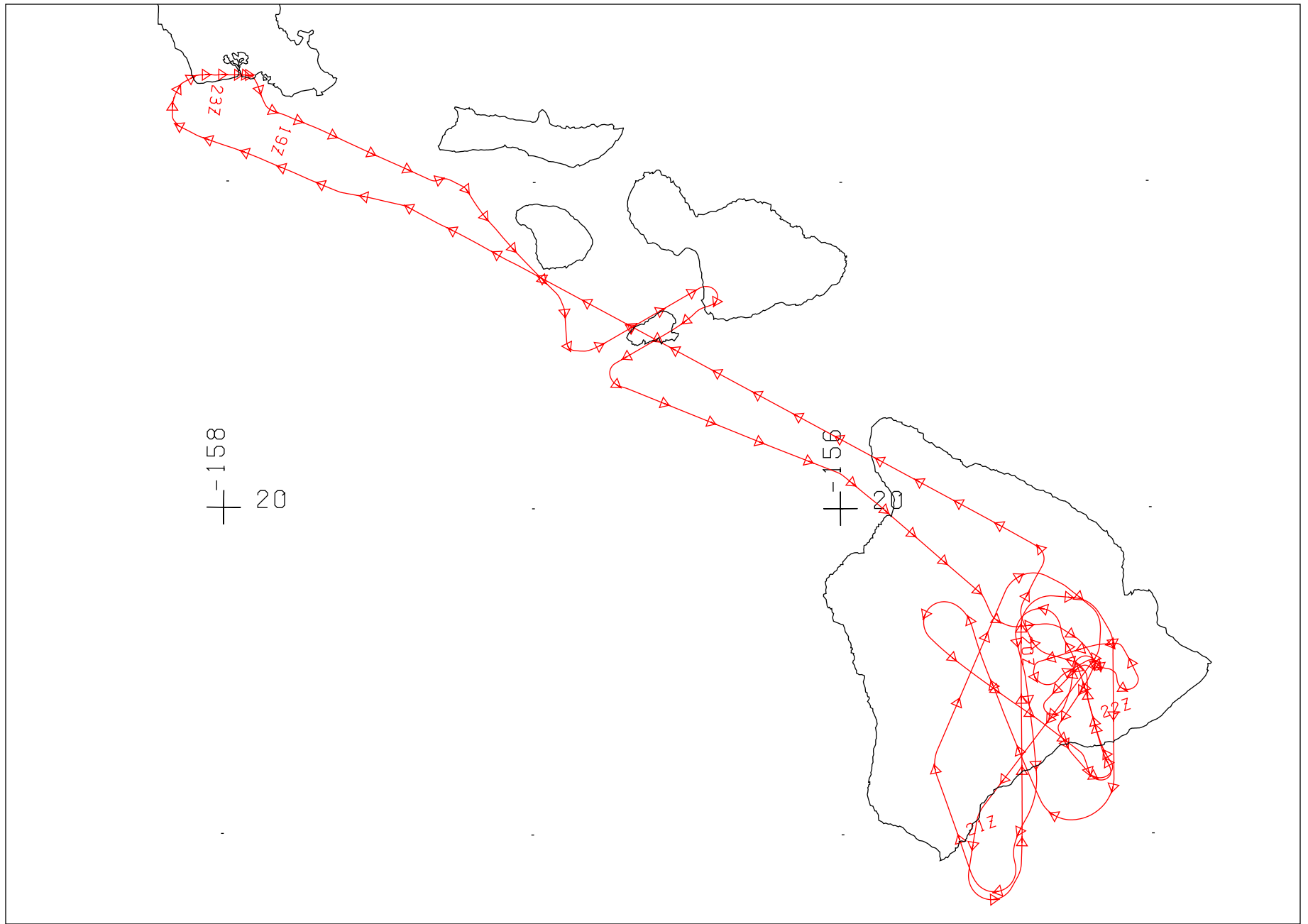
Sensor # 034

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	8345-8353	19:24:09	19:28:01	34700/10580	10% cumulus, frames 8347-8351
C - D	8354-8365	19:31:36	19:36:54	34700/10580	Frames 8354-8355 oblique with 10-30% cumulus; 10% cumulus frame 8356

MODIS/ASTER AIRBORNE SIMULATOR (MASTER) FLIGHT LINE INFORMATION FOR 30 Oct 2001  
 NASA FLIGHT NUMBER 02-912-00

FILE	SITE	LINE	RUN	START OF FLIGHT LINE			END OF FLIGHT LINE			FLIGHT DATA				
				TIME HH:MM:SS	LAT DEG	LON DEG	TIME HH:MM:SS	LAT DEG	LON DEG	SCAN LINES	SOLAR ZEN AZIM		HEAD DEG	ALT M (GPS)
1	Lan	1	1	19:10:51	20.981	-157.220	19:17:42	20.976	-157.216	2567	111.3	262.4	140.56	9959
2	Kah	2	1	19:22:06	20.485	-156.820	19:29:10	20.487	-156.813	2646	113.8	263.1	77.33	9985
3	Kah	3	1	19:31:59	20.604	-156.467	19:37:25	20.599	-156.473	2034	116.2	263.9	225.04	9976
4	Ocn	4	1	19:48:03	20.103	-155.995	19:56:35	20.097	-155.987	3202	119.8	264.8	134.32	10054
5	Hia	5	1	20:10:44	19.581	-155.141	20:15:11	19.580	-155.147	1672	125.1	266.2	267.16	10078
6	Hia	6	1	20:22:14	19.507	-155.232	20:25:14	19.503	-155.236	1126	127.8	267.0	233.09	10053
7	Hia	7	1	20:30:51	19.494	-155.191	20:34:49	19.489	-155.194	1494	129.9	267.6	214.32	10053
8	Hia	8	1	20:39:31	19.216	-155.129	20:43:40	19.221	-155.133	1560	131.9	268.0	316.26	10037
9	Hia	9	1	20:59:02	18.886	-155.589	21:01:46	18.899	-155.590	1031	136.5	269.2	344.37	18294
10	Hia	10	1	21:02:32	19.261	-155.690	21:07:18	19.274	-155.684	1790	137.3	269.8	30.71	18999
11	Hia	11	1	21:12:02	19.524	-155.192	21:16:41	19.512	-155.201	1751	139.6	271.0	215.85	20079
12	Hia	12	1	21:21:14	18.912	-155.422	21:27:45	18.927	-155.422	2443	141.7	271.0	6.80	20065
13	Hia	13	1	21:31:49	19.572	-155.120	21:35:23	19.558	-155.120	1341	144.2	272.8	178.92	20149
14	Hia	14	1	21:38:12	19.105	-155.353	21:43:24	19.118	-155.360	1946	145.8	272.9	340.53	18952
15	Ocn	15	1	21:46:33	19.600	-155.705	21:52:02	19.592	-155.696	2058	147.7	274.3	135.58	12467
16	Ocn	16	1	21:57:19	19.207	-155.135	22:01:12	19.213	-155.138	1460	150.2	275.1	322.87	10086
17	Ocn	17	1	22:09:34	19.879	-155.363	22:21:58	19.884	-155.371	4658	153.0	278.0	297.49	10090

NUMBER OF FILES FOR THIS FLIGHT = 17  
 TOTAL NUMBER OF SCAN LINES = 34779  
 DATE THESE FILES WERE PROCESSED = 30-Jan-2002  
 DATE THIS LIST WAS CREATED = Wed Jan 30 14:14:52 PST 2002  
 GRANULE VERSION = 1

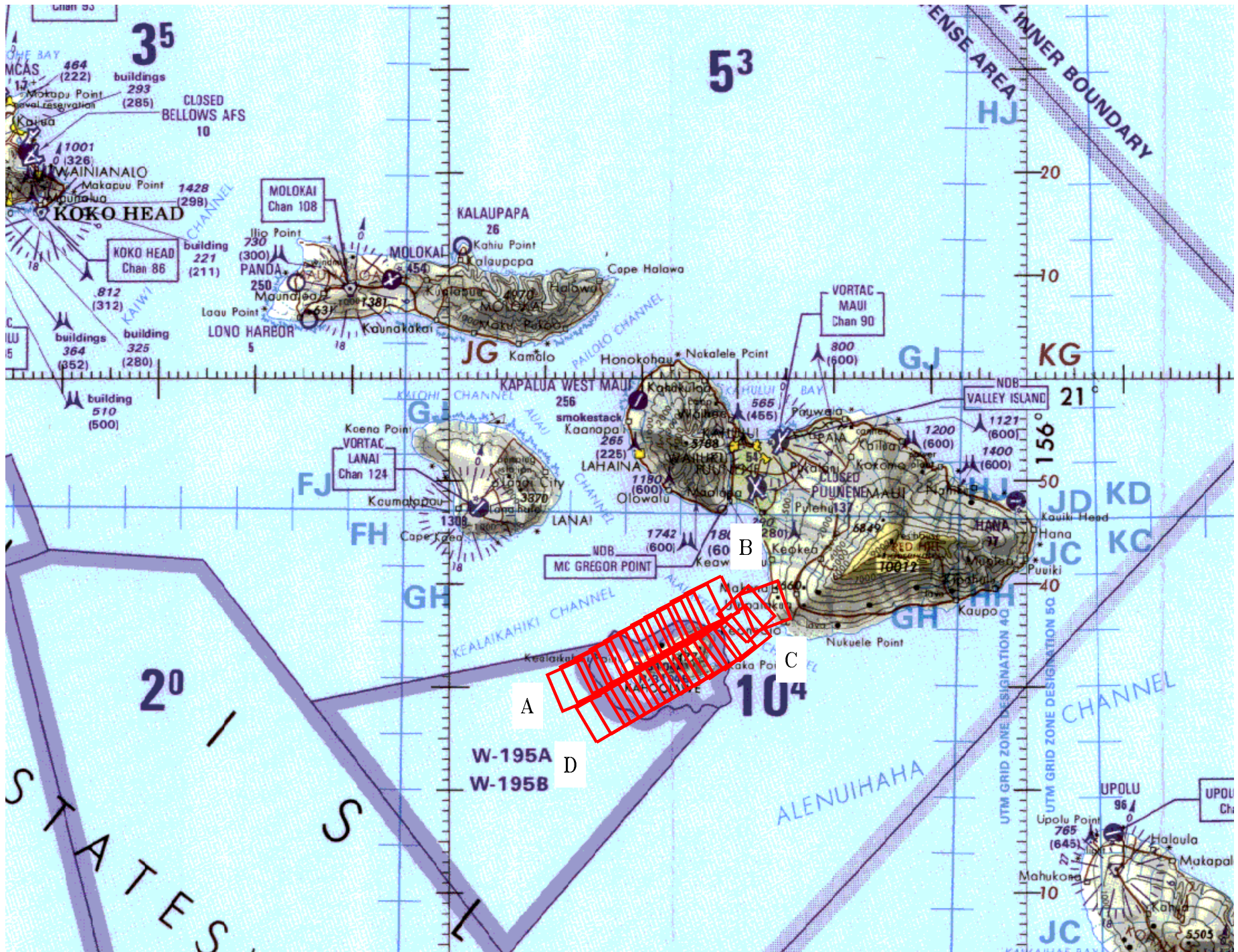


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30 OCTOBER 2001

A/C 809

RC-30 / MASTER / AVIRIS / RC-10



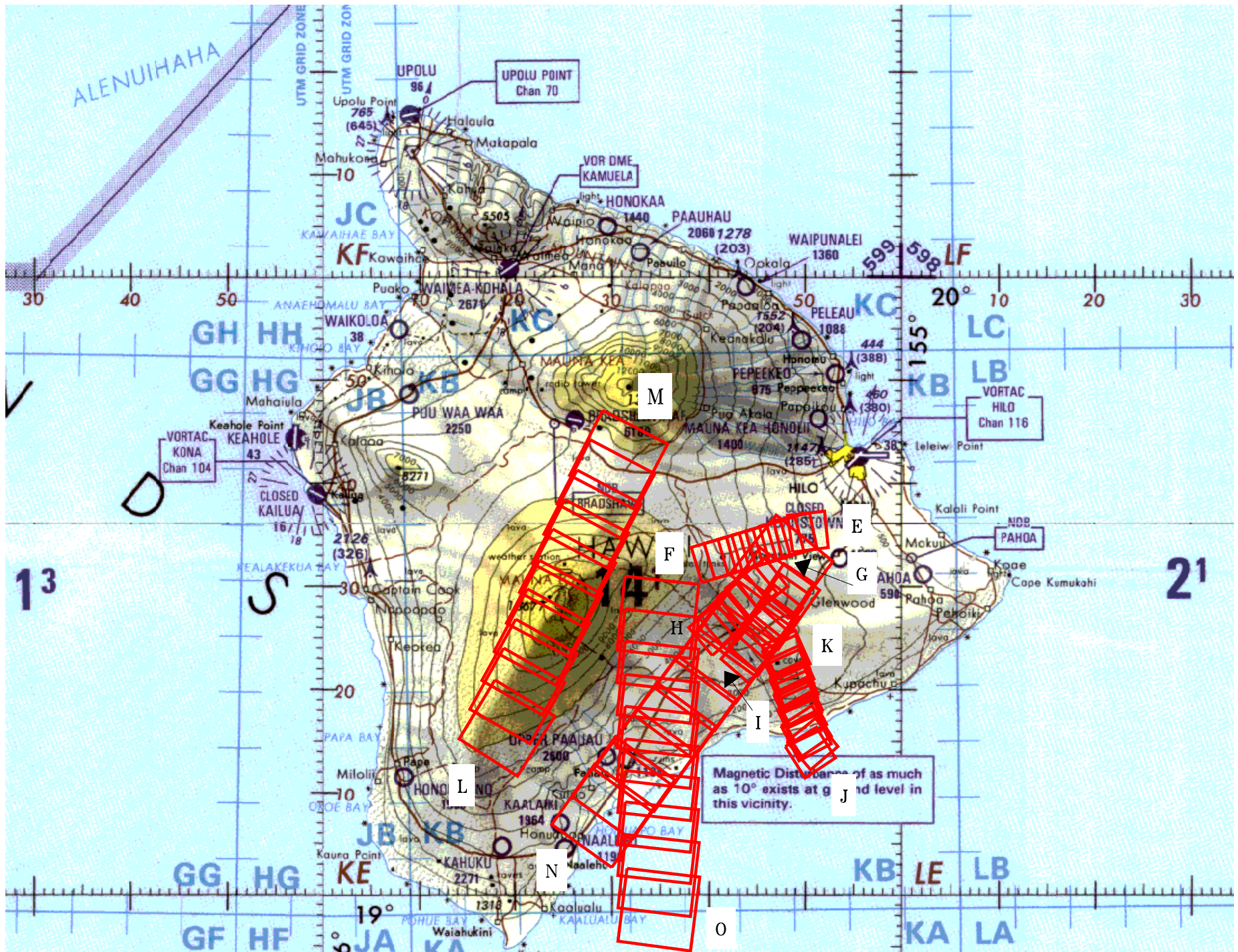
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A/C 809

RC-30 / RC-10





Flight 02-912

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A/C 809

RC-30