

FLIGHT SUMMARY REPORT

Flight Number: 02-905
Calendar/Julian Date: 19 October 2001 • 292
Sensor Package: Wild-Heerbrugg RC-30
MODIS/ASTER Airborne Simulator (MASTER)
Airborne Visible/Infrared Imaging Spectrometer
(AVIRIS)
Area(s) Covered: Big Island of Hawaii, Maui, Molokai
Investigator(s): Asner, U of Colorado; Realmuto, JPL; **Aircraft #:** 809
Porter, U of Hawaii

SENSOR DATA

Accession #:	05655	-----	-----
Sensor ID #:	132	124	099
Sensor Type:	RC-30	MASTER	AVIRIS
Focal Length:	12" 303.12 mm	-----	-----
Film Type:	Aerochrome IR SO-134	-----	-----
Filtration:	Wratten 12	-----	-----
Spectral Band:	510-900nm	-----	-----
f Stop:	11	-----	-----
Shutter Speed:	1/300	-----	-----
# of Frames:	166	-----	-----
% Overlap:	60%	-----	-----
Quality:	Excellent	-----	-----
Remarks:	Add 10 seconds for correct UTC		

CAMERA FLIGHT LINE DATA
FLIGHT NO. 02-905

Accession # 05655

Sensor # 132

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	1353-1366	19:03:45	19:10:00	65500/19970	Clear
C - D	1367-1388	19:31:00	19:41:03	65500/19970	10-30% cumulus, frames 1367-1369 and 1378-1388
E - F	1389-1402	19:47:49	19:54:01	64900/19790	40-70% cumulus, frames 1389-1390; 10-30% cumulus, frames 1391-1396
G - H	1403-1412	20:01:43	20:06:01	65000/19820	10% cumulus, frames 1409-1412; frame 1403 oblique
I - J	1413-1418	20:13:09	20:15:32	65000/19820	70-100% cumulus
K - L	1419-1436	20:35:57	20:44:02	43000/13110	10-40% cumulus, frames 1419-1423
M - N	1437-1450	20:56:23	21:00:14	43000/13110	20-90% cumulus, frames 1437-1445
O - P	1451-1477	21:23:46	21:30:48	33100/10090	10-30% cumulus, frames 1451-1475
Q - R	1478-1483	21:48:54	21:49:37	33000/10060	10-40% cumulus
S - T	1484-1496	22:05:59	22:09:03	33000/10060	40-80% cumulus, frames 1484-1493; 20% cumulus, frames 1494-1496
U - V	1497-1506	22:16:36	22:18:54	33000/10060	20-40% cumulus

CAMERA FLIGHT LINE DATA
FLIGHT NO. 02-905

Accession # 05655

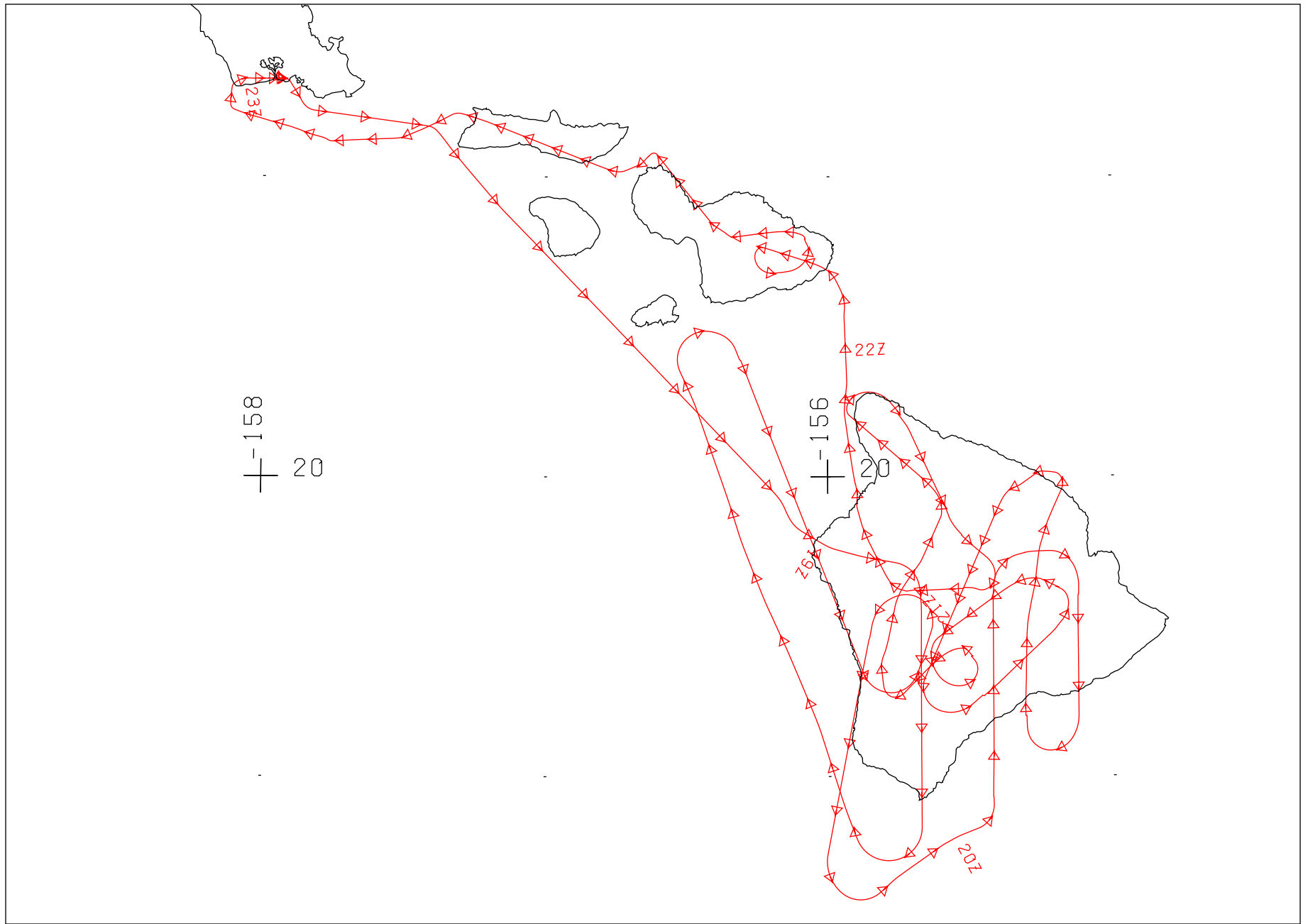
Sensor # 132

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
W - X	1507-1518	22:34:28	22:39:21	33100/10090	10-20% cumulus, frames 1507-1514; 30-70% cumulus, frames 1515-1518

MODIS/ASTER AIRBORNE SIMULATOR (MASTER) FLIGHT LINE INFORMATION FOR 19 Oct 2001
 NASA FLIGHT NUMBER 02-905-00

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	BHI	1	1	19:03:43	19.620	-155.677	19:10:44	19.606	-155.675	2623	108.2	265.6	174.33	19772
2	BHI	2	1	19:13:25	18.787	-155.899	19:26:53	18.801	-155.905	5046	110.5	266.1	341.73	20047
3	KON	3	1	19:30:54	20.422	-156.324	19:41:20	20.409	-156.318	3909	114.7	268.1	158.92	19913
4	KON	4	1	19:47:55	19.498	-155.847	19:54:36	19.484	-155.850	2502	118.6	269.1	189.44	19797
5	SBI	5	1	20:01:53	18.916	-155.421	20:08:30	18.930	-155.421	2478	122.0	269.4	359.87	19768
6	SBI	6	1	20:12:12	19.632	-155.118	20:15:58	19.618	-155.118	1409	124.5	270.8	181.98	19793
7	BHI	7	1	20:32:00	19.930	-155.381	20:44:22	19.924	-155.385	4638	129.1	272.8	224.05	13090
8	BHI	8	1	20:54:00	19.659	-155.279	21:01:27	19.658	-155.285	2800	134.3	274.8	267.07	13101
9	BHI	9	1	21:07:07	19.426	-155.538	21:12:19	19.425	-155.545	1956	137.4	275.9	268.38	10134
10	BHI	10	1	21:15:23	19.421	-155.799	21:21:57	19.432	-155.795	2463	139.3	276.7	9.24	10064
11	BHI	11	1	21:22:12	19.878	-155.599	21:31:29	19.886	-155.599	3483	140.9	278.1	349.00	10072
12	BHI	12	1	21:35:15	20.158	-155.715	21:38:45	20.148	-155.709	1316	143.9	280.2	163.81	10054
13	BHI	13	1	21:48:00	19.624	-155.749	21:53:37	19.626	-155.755	2107	146.9	281.4	291.54	10069
14	BHI	14	1	21:54:23	19.946	-155.897	21:57:39	19.956	-155.898	1229	148.3	282.9	342.60	10079
15	MAU	15	1	22:02:14	20.587	-155.940	22:10:03	20.595	-155.942	2931	149.9	285.4	338.04	10034
16	MAU	16	1	22:15:45	20.813	-156.111	22:20:18	20.815	-156.117	1709	152.9	288.7	280.97	10056
17	HAI	17	1	22:22:45	20.861	-156.422	22:28:26	20.866	-156.426	2136	154.4	290.5	311.67	10074
18	MOL	18	1	22:31:30	21.018	-156.729	22:40:52	21.018	-156.736	3513	156.2	293.3	270.33	10082

NUMBER OF FILES FOR THIS FLIGHT = 18
 TOTAL NUMBER OF SCAN LINES = 48248
 DATE THESE FILES WERE PROCESSED = 26-Jan-2002
 DATE THIS LIST WAS CREATED = Tue Jan 29 12:56:40 PST 2002
 GRANULE VERSION = 1



FLIGHT 02-905

19 OCTOBER 2001

A/C 809

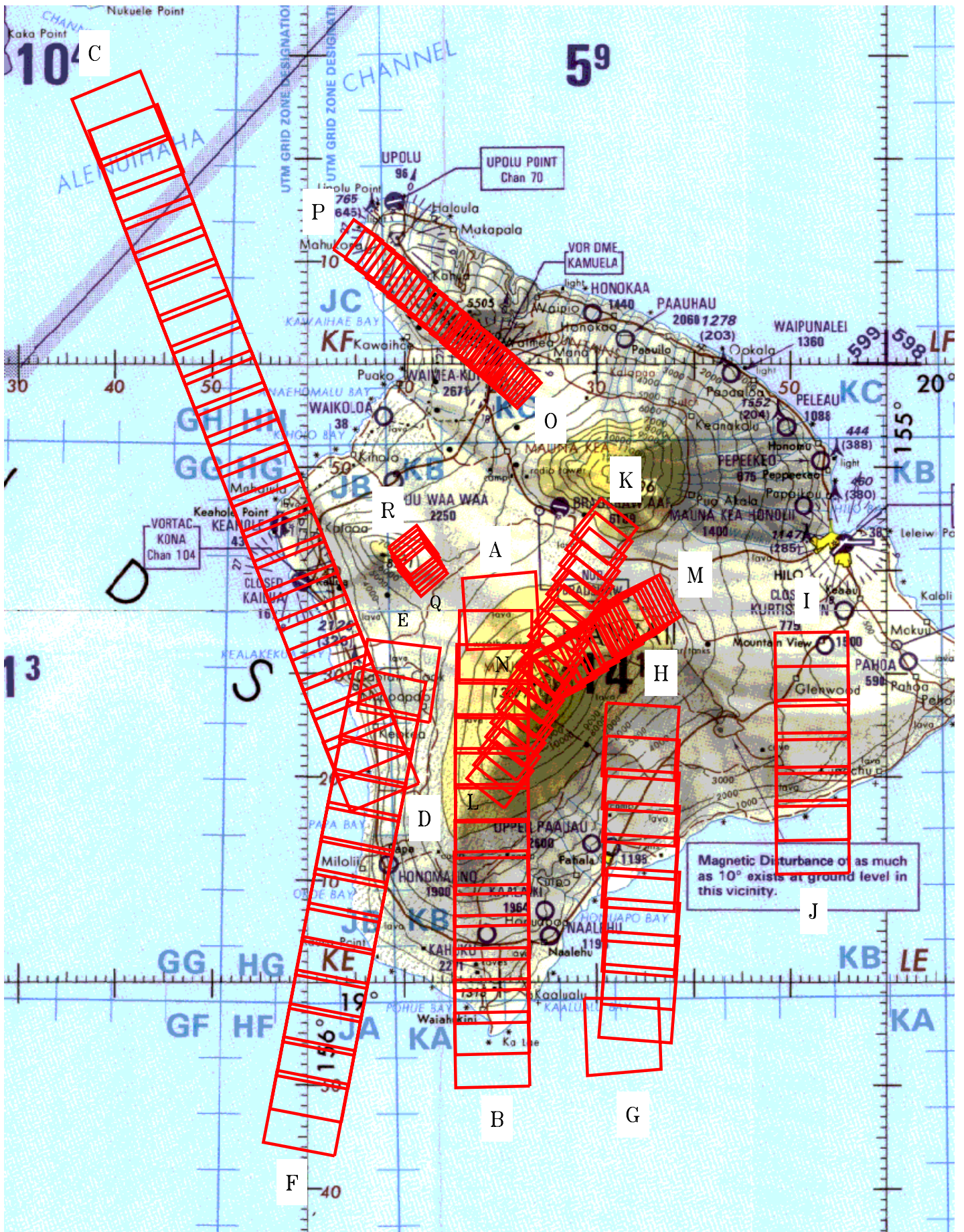
RC-30 / MASTER / AVIRIS

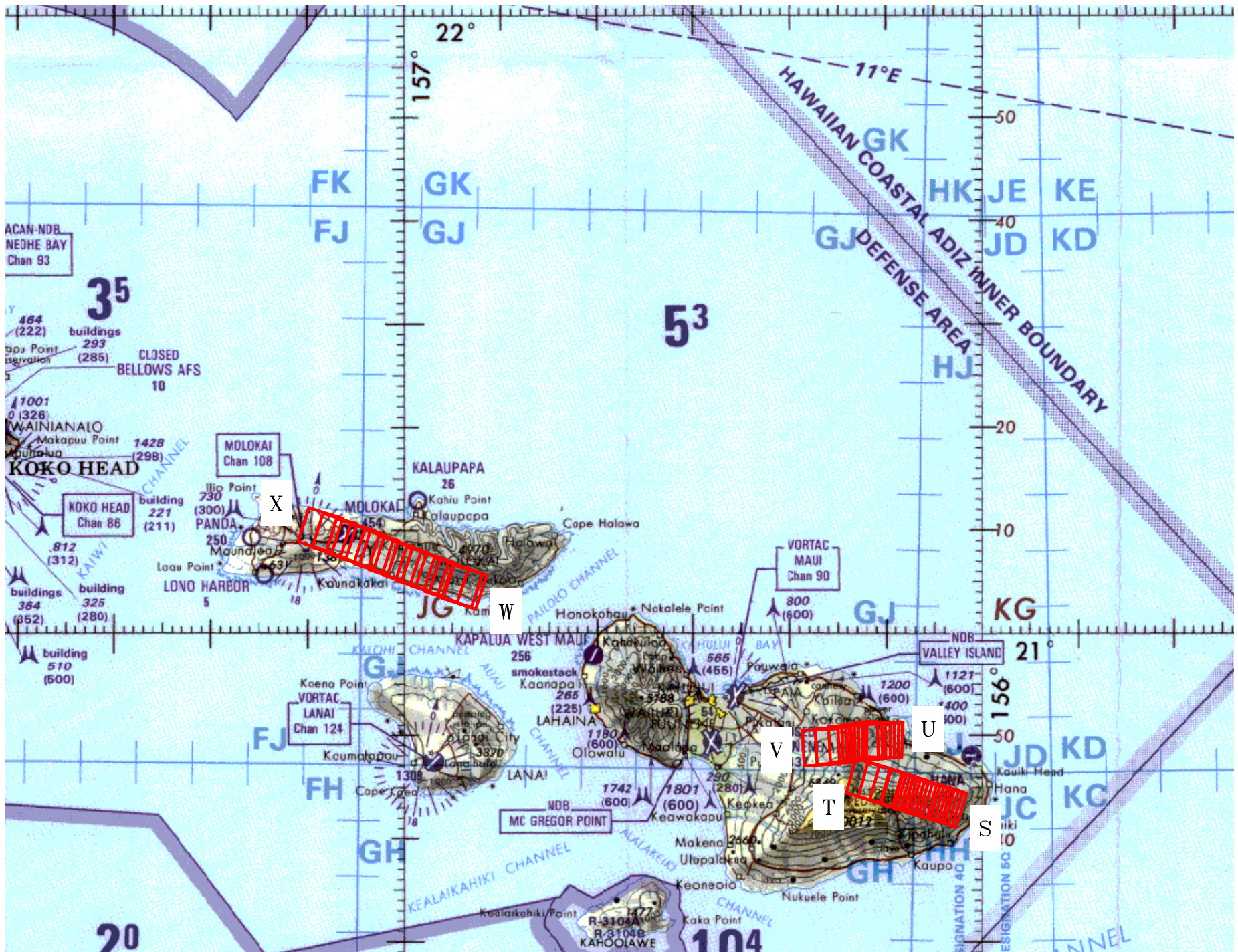
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RC-30





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