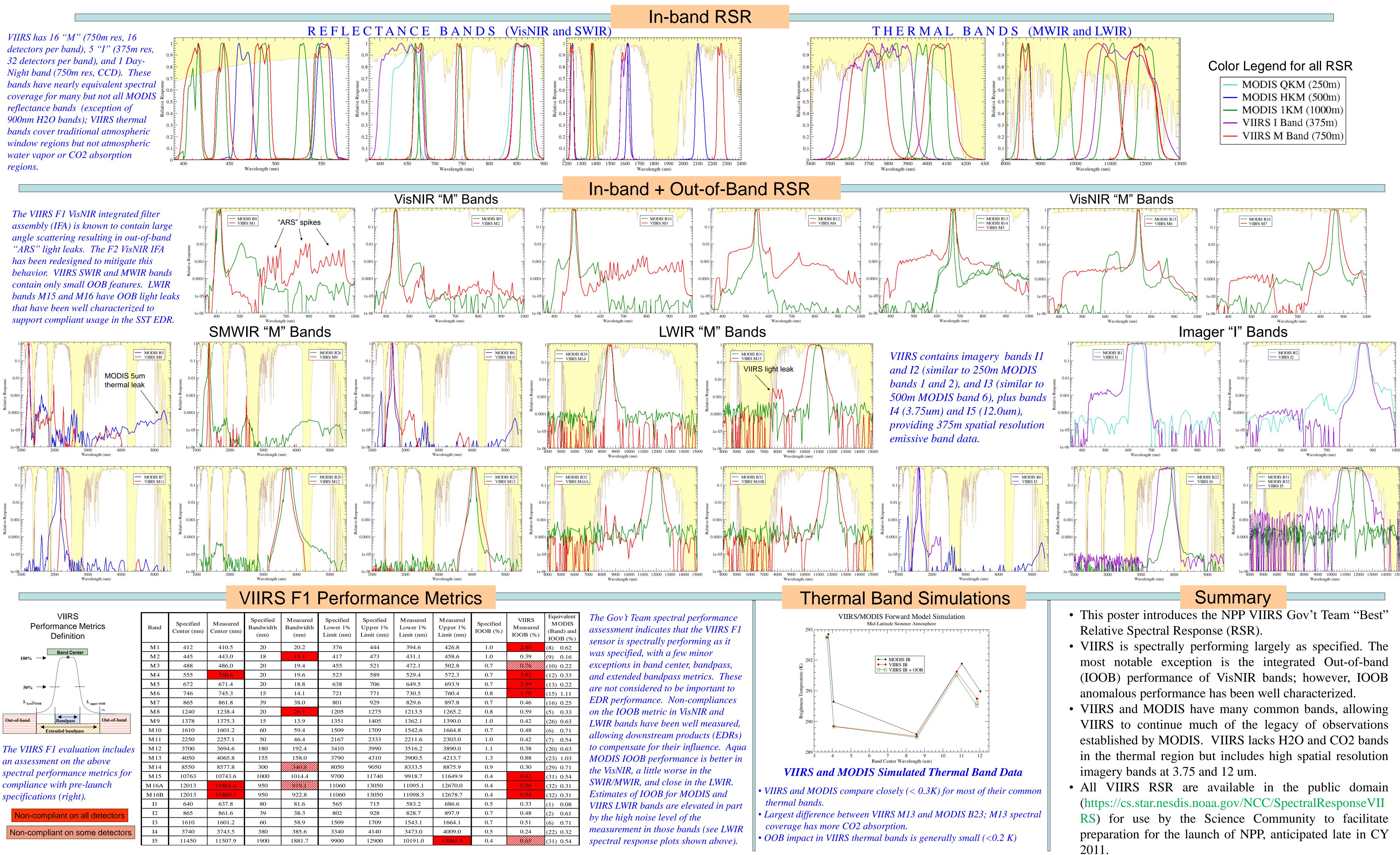
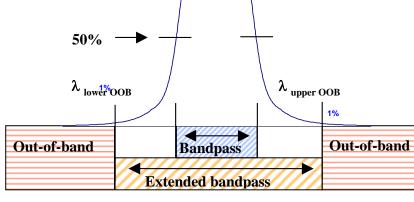
As the follow-on imaging radiometer to the highly successful MODIS on EOS Terra and Aqua, the NPP VIIRS Flight Unit 1 (F1). Pre-launch sensor level RSR measurements were made at the will continue the legacy of global climate monitoring. This poster is intended to provide insight to the user Raytheon El Segundo facility during the TVAC phase of the F1 test program in summer 2009. These community on VIIRS spectral characterization and how it compares with that of its predecessor, MODIS. The measurements have been analyzed and reviewed by the RSR subgroup of the Gov't Team leading to the release of VIIRS instrument Government Team, consisting of NASA, Aerospace Corp., and MIT/Lincoln Lab elements, has the Gov't Team "Best" RSR for F1 in Sept. 2010 (shown in panels below along with MODIS RSR). VIIRS completed an independent (from that of industry) relative spectral response (RSR) performance characterization spectral performance metrics for the Gov't Team "Best" RSR are also shown (bottom panel).





an assessment on the above spectral performance metrics for *compliance with pre-launch* specifications (right).

Band	Specified Center (nm)	Measured Center (nm)	Specified Bandwidth (nm)	Measured Bandwidth (nm)	Specified Lower 1% Limit (nm)	Specified Upper 1% Limit (nm)	Measured Lower 1% Limit (nm)	Measured Upper 1% Limit (nm)	Specified IOOB (%)	VIIRS Measured IOOB (%)	Equivalent MODIS (Band) and IOOB (%)
M 1	412	410.5	20	20.2	376	444	394.6	426.8	1.0	2.40	(8) 0.62
M2	445	443.0	18	15.1	417	473	431.1	458.6	1.0	0.39	(9) 0.16
M3	488	486.0	20	19.4	455	521	472.1	502.8	0.7	876	(10) 0.22
M4	555	550.6	20	19.6	523	589	529.4	572.3	0.7	3.92	(12) 0.33
M5	672	671.4	20	18.8	638	706	649.5	693.9	0.7	2.99	(13) 0.22
M6	746	745.3	15	14.1	721	771	730.5	760.4	0.8	1.70	(15) 1.11
M7	865	861.8	39	38.0	801	929	829.6	897.8	0.7	0.46	(16) 0.25
M8	1240	1238.4	20	26.1	1205	1275	1213.5	1265.2	0.8	0.59	(5) 0.33
M9	1378	1375.3	15	13.9	1351	1405	1362.1	1390.0	1.0	0.42	(26) 0.63
M10	1610	1601.2	60	59.4	1509	1709	1542.6	1664.8	0.7	0.48	(6) 0.71
M11	2250	2257.1	50	46.4	2167	2333	2211.6	2303.0	1.0	0.42	(7) 0.54
M12	3700	3694.6	180	192.4	3410	3990	3516.2	3890.0	1.1	0.38	(20) 0.63
M13	4050	4065.8	155	158.0	3790	4310	3900.5	4213.7	1.3	0.88	(23) 1.03
M14	8550	8577.8	300	340-8	8050	9050	8333.5	8875.9	0.9	0.30	(29) 0.71
M15	10763	10743.6	1000	1014.4	9700	11740	9918.7	11649.9	0.4	0.42	(31) 0.54
M16A	12013	11861.4	950	///9393////	11060	13050	11095.1	12670.0	0.4	0.56	(32) 0.31
M16B	12013	11869.1	950	922.8	11060	13050	11098.3	12678.7	0.4	0.54	(32) 0.31
I1	640	637.8	80	81.6	565	715	583.2	686.6	0.5	0.33	(1) 0.08
I2	865	861.6	39	38.3	802	928	828.7	897.9	0.7	0.48	(2) 0.61
I3	1610	1601.2	60	58.9	1509	1709	1543.1	1664.1	0.7	0.51	(6) 0.71
I4	3740	3743.5	380	385.6	3340	4140	3473.0	4009.0	0.5	0.24	(22) 0.32
I5	11450	11507.9	1900	1881.7	9900	12900	10191.0	13081.3	0.4		(31) 0.54

## Welcome to the NPP VIIRS: VIIRS Relative Spectral Response from the Gov't Team

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