



Individual Band Summaries

Reflectance Bands 1-19, 26 (VIS, NIR and SWIR)

By Ascending Band Number

By Ascending Band Number													Radiances			Gains		
Band No.	Center	Pixel Size (m)	FWHM	See Note 1	See Note 1	See Note 2	See Note 2	See Note 2	See Note 2	See Note 2	See Note 2	See Note 2	See Note 2	See Note 2	See Note 2	See Note 2	See Note 2	
	Wavelength (specified)		Bandwidth (nm) (specified)	Ltyp_spec > (specified)	Lmax_spec (DN=3506.4)	Lsat(DN=4096) (specified)	DN@Ltyp per Target Gain*	NEdL (specified)	NEdL (%of Ltyp)	SNR@Ltyp = Ltyp/NEdL	Target Gain* DN*(m2-sr-um)/W	FFM Measured Gain (PL3095-N06314)						
1	645	250	50.0	21.8	685	792	112.7	0.1690	0.78%	129.0	5.17	TBD						
2	858	250	35.0	24.7	285	330	307.0	0.1230	0.50%	200.8	12.43	TBD						
3	469	500	20.0	35.3	593	686	210.8	0.1450	0.41%	243.4	5.97	TBD						
4	555	500	20.0	29.0	518	599	198.3	0.1270	0.44%	228.3	6.84	TBD						
5	1240	500	20.0	5.4	110	127	173.9	0.0730	1.35%	74.0	32.20	TBD						
6	1640	500	24.6	7.3	70	81	369.4	0.0270	0.37%	270.4	50.60	TBD						
7	2130	500	50.0	1.0	22	25	161.0	0.0090	0.90%	111.1	160.99	TBD						
8	412	1000	15.0	44.9	175	202	908.7	0.0510	0.11%	880.4	20.24	TBD						
9	443	1000	10.0	41.9	133	154	1115.8	0.0500	0.12%	838.0	26.63	TBD						
10	488	1000	10.0	32.1	101	117	1125.7	0.0400	0.12%	802.5	35.07	TBD						
11	531	1000	10.0	27.9	82	95	1205.1	0.0370	0.13%	754.1	43.19	TBD						
12	551	1000	10.0	21.0	64	74	1162.2	0.0280	0.13%	750.0	55.34	TBD						
13	667	1000 w/TDI	10.0	9.5	32	37	1051.5	0.0104	0.11%	913.5	110.68	TBD						
14	678	1000 w/TDI	10.0	8.7	31	36	994.0	0.0080	0.09%	1087.5	114.25	TBD						
15	748	1000	10.0	10.2	26	30	1389.5	0.0170	0.17%	600.0	136.22	TBD						
16	869	1000	15.0	6.2	16	19	1372.5	0.0120	0.19%	516.7	221.36	TBD						
17	905	1000	30.0	10.0	185	214	191.4	0.0600	0.60%	166.7	19.14	TBD						
18	936	1000	50.0	3.6	256	296	49.8	0.0630	1.75%	57.1	13.84	TBD						
19	940	1000	15.0	15.0	189	219	281.1	0.0600	0.40%	250.0	18.74	TBD						
26	1375	1000	30.0	6.0	90	104	236.1	0.0400	0.67%	150.0	39.35	TBD						
By Ascending Band Number													Reflectances			Cloud Radiances		
Band No.	Center	Band Ave.	See Note 3	See Note 4	See Note 4	See Note 4	See Note 5	See Note 5	See Note 5	See Note 5	See Note 5	See Note 5	See Note 5	See Note 5	See Note 5	See Note 5	See Note 5	
	Wavelength (specified)	Solar Irradiance W/(m2-um)		Reflectance @Ltyp	Reflectance@Lmax	Reflectance@Lsat	NEdBRF*cos(theta_ev)/BRF*cos(theta_ev)	NEdL	NEdL	NEdL	NEdL	NEdL	NEdL	NEdL	NEdL	NEdL	NEdL	
				*=[pi*Ltyp/Esun]*	*=[pi*Lmax/Esun]*	*=[pi*Lsat/Esun]	= BRF*cos(theta_ev)/(NEdL)											
1	645	1599.947		0.0428	1.3450	1.5555		3.32E-04				457		21			0.58	
2	858	987.068		0.0786	0.9071	1.0490		3.91E-04				293		12			0.89	
3	469	2014.191		0.0551	0.9249	1.0696		2.26E-04				570		16			0.83	
4	555	1857.836		0.0490	0.8759	1.0130		2.15E-04				559		19			0.93	
5	1240	474.631		0.0357	0.7281	0.8420		4.83E-04				138		26			1.08	
6	1640	246.000		0.0932	0.8939	1.0338		3.45E-04				68		9			0.84	
7	2130	246.000		0.0128	0.2810	0.3249		1.15E-04				27		27			1.06	
8	412	1705.351		0.0827	0.3224	0.3728		9.40E-05				573		13			2.83	
9	443	1863.523		0.0706	0.2242	0.2593		8.43E-05				585		14			3.80	
10	488	1918.392		0.0526	0.1654	0.1913		6.55E-05				539		17			4.61	
11	531	1885.393		0.0465	0.1366	0.1580		6.17E-05				538		19			5.67	
12	551	1870.995		0.0353	0.1075	0.1243		4.70E-05				528		25			7.13	
13	667	1549.518		0.0193	0.0649	0.0750		2.11E-05				471		50			12.73	
14	678	1505.705		0.0162	0.0647	0.0748		1.67E-05				440		51			12.27	
15	748	1274.955		0.0251	0.0641	0.0741		4.19E-05				373		37			12.41	
16	869	969.652		0.0201	0.0518	0.0599		3.89E-05				286		46			15.46	
17	905	897.366		0.0350	0.6477	0.7490		2.10E-04				252		25			1.18	
18	936	814.279		0.0139	0.9877	1.1422		2.43E-04				267		74			0.90	
19	940	812.947		0.0580	0.7304	0.8447		2.32E-04				244		16			1.12	
26	1375	365.581		0.0516	0.7734	0.8944		3.44E-04				113		19			1.09	

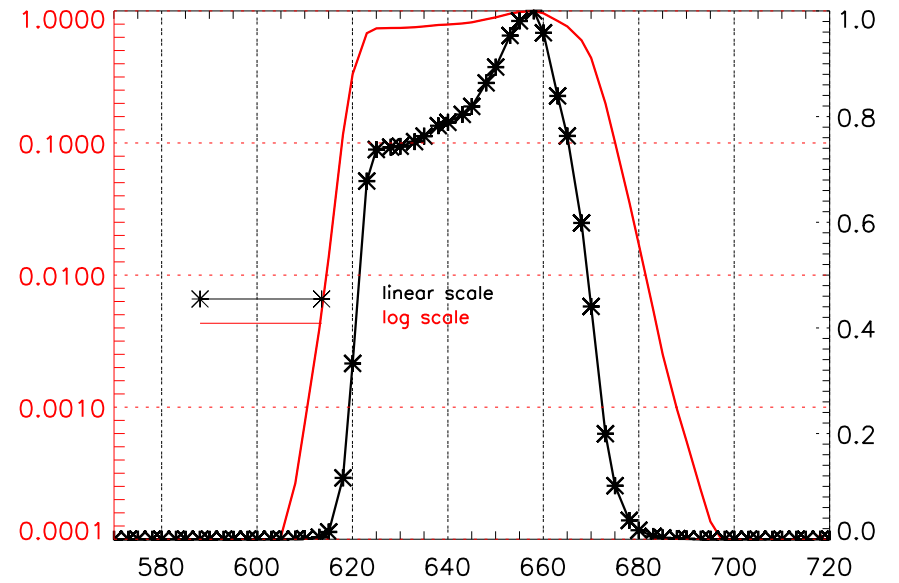
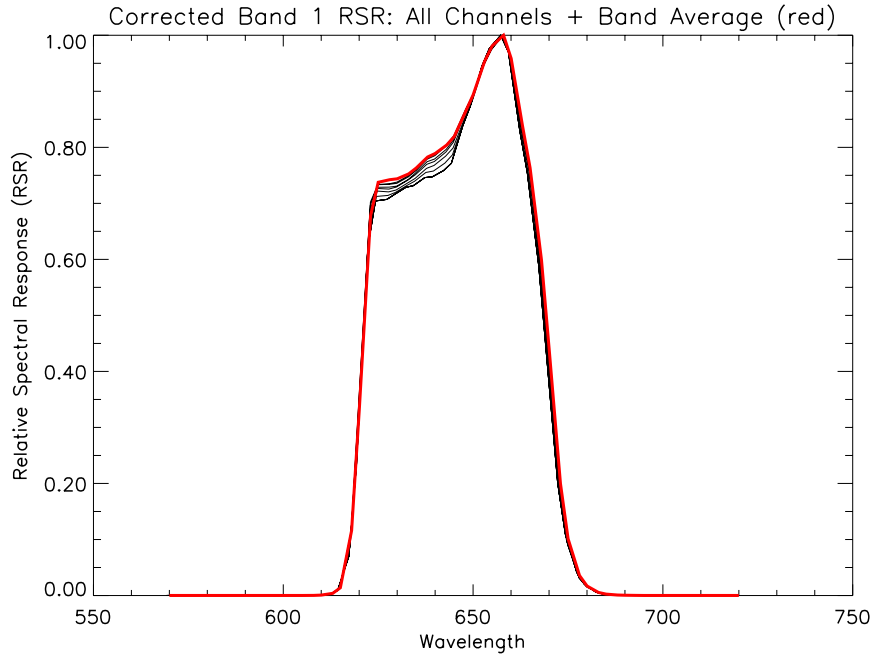
Reflectance Bands 1-19, 26 (VIS, NIR and SWIR)

By Ascending Wavelength

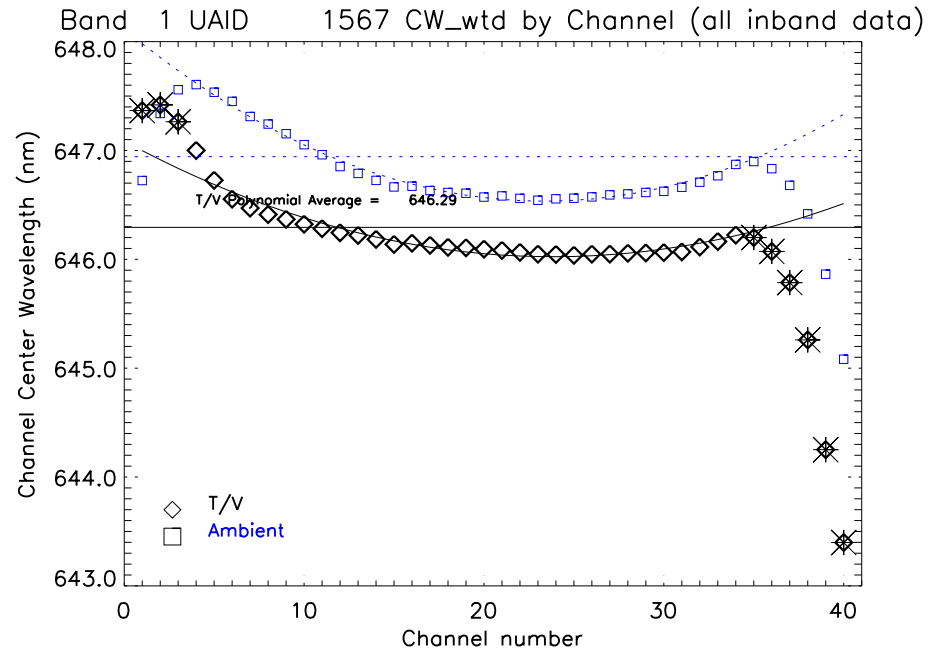
				Radiances								Gains	
Band No.	Center	Pixel Size (m)	FWHM	See Note 1 Ltyp_spec	See Note 1 Lmax_spec	Lsat(DN=4096)	See Note 2 DN@Ltyp	NEdL	NEdL	SNR@Ltyp =	See Note 2 Target Gain*	PFM	
	Wavelength (specified)		Bandwidth (nm) (specified)	W/(m2-sr-um) (specified)	W/(m2-sr-um) (DN=3506.4)	W/(m2-sr-um)	per Target Gain*	W/(m2-sr-um) (specified)	(%of Ltyp)	Ltyp/NEdL	DN*(m2-sr-um)/W	Measured Gain (PL3095-N06314)	
8	412	1000	15.0	44.9	175	202	908.7	0.0510	0.11%	880.4	20.24	TBD	
9	443	1000	10.0	41.9	133	154	1115.8	0.0500	0.12%	838.0	26.63	TBD	
3	469	500	20.0	35.3	593	686	210.8	0.1450	0.41%	243.4	5.97	TBD	
10	488	1000	10.0	32.1	101	117	1125.7	0.0400	0.12%	802.5	35.07	TBD	
11	531	1000	10.0	27.9	82	95	1205.1	0.0370	0.13%	754.1	43.19	TBD	
12	551	1000	10.0	21.0	64	74	1162.2	0.0280	0.13%	750.0	55.34	TBD	
4	555	500	20.0	29.0	518	599	198.3	0.1270	0.44%	228.3	6.84	TBD	
1	645	250	50.0	21.8	685	792	112.7	0.1690	0.78%	129.0	5.17	TBD	
13	667	1000 w/TDI	10.0	9.5	32	37	1051.5	0.0104	0.11%	913.5	110.68	TBD	
14	678	1000 w/TDI	10.0	8.7	31	36	994.0	0.0080	0.09%	1087.5	114.25	TBD	
15	748	1000	10.0	10.2	26	30	1389.5	0.0170	0.17%	600.0	136.22	TBD	
2	858	250	35.0	24.7	285	330	307.0	0.1230	0.50%	200.8	12.43	TBD	
16	869	1000	15.0	6.2	16	19	1372.5	0.0120	0.19%	516.7	221.36	TBD	
17	905	1000	30.0	10.0	185	214	191.4	0.0600	0.80%	166.7	19.14	TBD	
18	936	1000	50.0	3.6	256	296	49.8	0.0630	1.75%	57.1	13.84	TBD	
19	940	1000	15.0	15.0	189	219	281.1	0.0600	0.40%	250.0	18.74	TBD	
5	1240	500	20.0	5.4	110	127	173.9	0.0730	1.35%	74.0	32.20	TBD	
26	1375	1000	30.0	6.0	90	104	236.1	0.0400	0.67%	150.0	39.35	TBD	
6	1640	500	24.6	7.3	70	81	369.4	0.0270	0.37%	270.4	50.60	TBD	
7	2130	500	50.0	1.0	22	25	161.0	0.0090	0.90%	111.1	160.99	TBD	
				Reflectances								Cloud Radiances	
Band No.	Center	See Note 3 Band Ave.	Solar Irradiance	See Note 4 Reflectance @Ltyp	See Note 4 Reflectance@Lmax	See Note 4 Reflectance@Lsat	See Note 5 NEdBRF*cos(theta_ev)/BRF*cos(theta_ev)	NEdL	NEdL	Lcloud_spec	Lcloud/Ltyp	Lcloud/Lsat	
	Wavelength (specified)	W/(m2-um)	W/(m2-um)	=[pi*Ltyp/Esun]*	=[pi*Lmax/Esun]*	=[pi*Lsat/Esun]*	= BRF*COS(theta_ev)*(NEdL/Ltyp)	W/(m2-sr-um)	(specified)	(specified)	(specified)		
8	412	1705.351		0.0827	0.3224	0.3728		9.40E-05	573	13	2.83		
9	443	1863.523		0.0706	0.2242	0.2593		8.43E-05	585	14	3.80		
3	469	2014.191		0.0551	0.9249	1.0696		2.26E-04	570	16	0.83		
10	488	1918.392		0.0528	0.1654	0.1913		6.55E-05	539	17	4.61		
11	531	1885.393		0.0465	0.1366	0.1580		6.17E-05	538	19	5.67		
12	551	1870.995		0.0353	0.1075	0.1243		4.70E-05	528	25	7.13		
4	555	1857.836		0.0490	0.8759	1.0130		2.15E-04	559	19	0.93		
1	645	1599.947		0.0428	1.3450	1.5555		3.32E-04	457	21	0.58		
13	667	1549.518		0.0193	0.0649	0.0750		2.11E-05	471	50	12.73		
14	678	1505.705		0.0182	0.0647	0.0748		1.67E-05	440	51	12.27		
15	748	1274.955		0.0251	0.0641	0.0741		4.19E-05	373	37	12.41		
2	858	987.068		0.0786	0.9071	1.0490		3.91E-04	293	12	0.89		
16	869	969.652		0.0201	0.0518	0.0599		3.89E-05	286	46	15.46		
17	905	897.366		0.0350	0.6477	0.7490		2.10E-04	252	25	1.18		
18	936	814.279		0.0139	0.9877	1.1422		2.43E-04	267	74	0.90		
19	940	812.947		0.0580	0.7304	0.8447		2.32E-04	244	16	1.12		
5	1240	474.631		0.0357	0.7281	0.8420		4.83E-04	138	26	1.08		
26	1375	365.581		0.0516	0.7734	0.8944		3.44E-04	113	19	1.09		
6	1640	246.000		0.0932	0.8939	1.0338		3.45E-04	68	9	0.84		
7	2130	246.000		0.0128	0.2810	0.3249		1.15E-04	27	27	1.06		

VIS_NIR_SWIR Notes							
Note 1: Ltyp and Lmax_spec are values taken directly from the GSFC Specification for the MODIS, page 3-11.							
Note 2: Target Gain is set via:							
Target Gain = $(4096-200)/(1.1*L_{max_spec})$							
Note 3: Band averaged, Top of the Atmosphere (TOA), solar irradiance (Esun) values (W/(m ² -um)) taken from Wehrl, 1984 @ 1AU							
Note 4: Wavelength Radiance (W/m ² -sr-um) converted to Reflectance values (BRF) @1 AU via:							
Reflectance (BRF)*cos(theta_ev) = $\pi*L[W/(m^2*sr*um)]/E_{sun}[W/(m^2*um)]$ @1 AU							
Note 5: NEdBRF @ ltyp computed from:							
NEdL_spec/Ltyp_spec = NEdBRF/BRF@Ltyp							

PFM Band 1 In-Band Relative Spectral Response (RSR) PC071:UAID 1567(T/V w/Purge Measured)

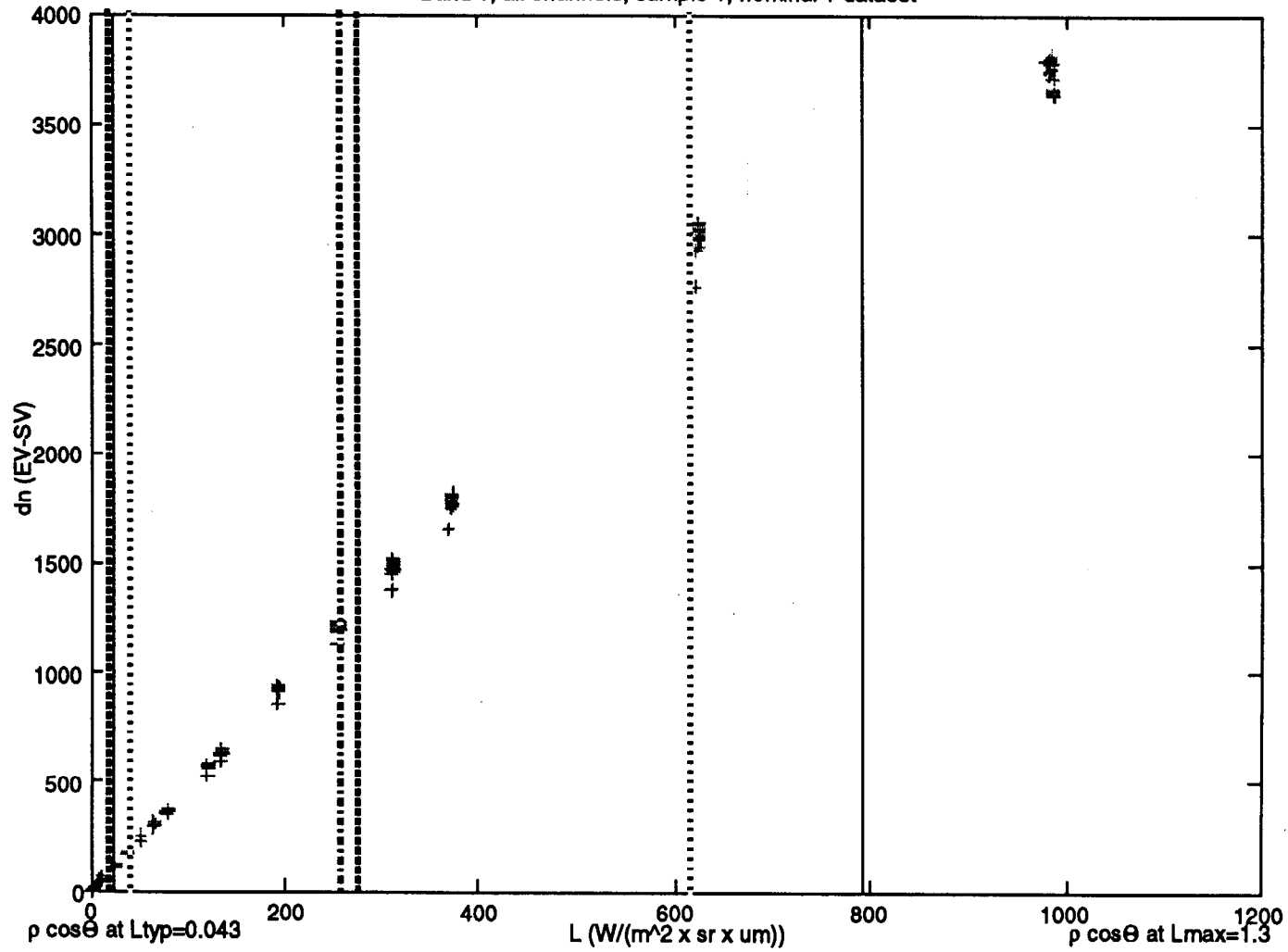


	nm	cm ⁻¹	Stdev(nm)
Center Wavelength (CWL)	646.49	15468.08	
Band Width (BW)	47.79	1145.06	0.93
FWHM	48.04	1149.04	0.45
Lower 50% Response	621.47	16090.75	0.64
Upper 50% Response	669.27	14941.71	0.56
Lower 1% Response	614.26	16279.68	0.50
Upper 1% Response	681.85	14665.94	0.77
SpMA Correction Ch20 =	0.20007		



• represent CWL measurements not used to generate the fitted polynomial
 -- Average of Fitted Polynomial Points for each Channel

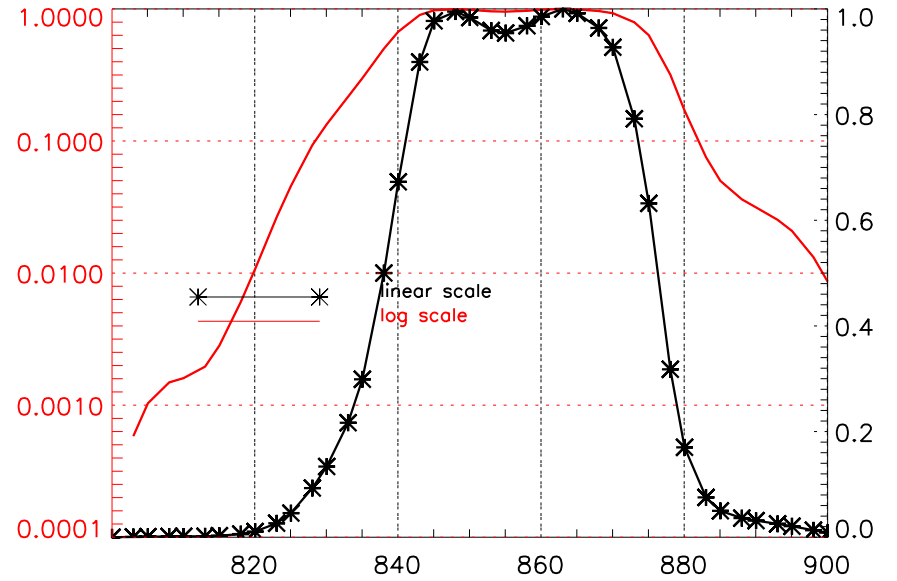
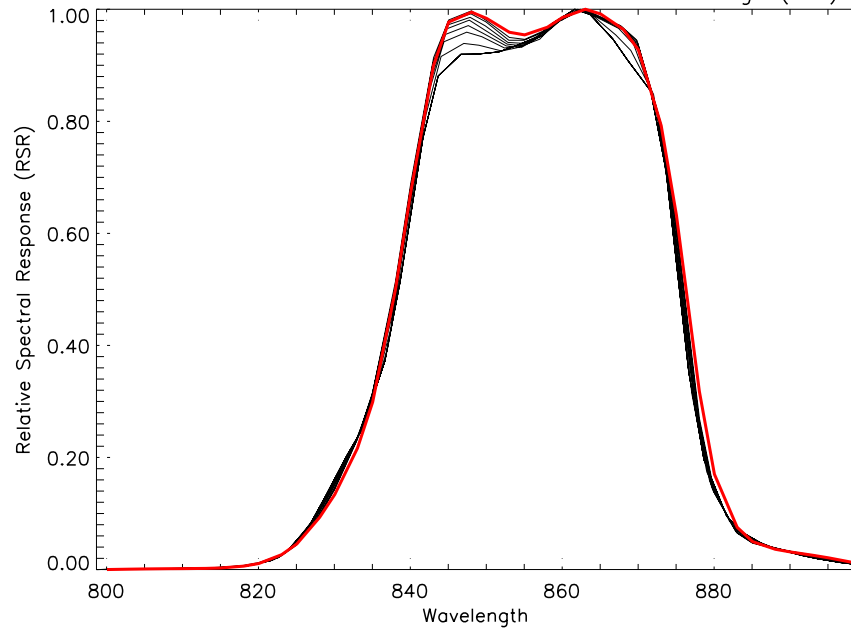
Band 1, all channels, sample 1, nominal 1 dataset



LINES: Dotted - 0.3L_{typ} & 0.9L_{max}; Solid - L_{typ} & L_{sat}; Dashdot - LSRCA; Dashed - SD Open & SD Screened.

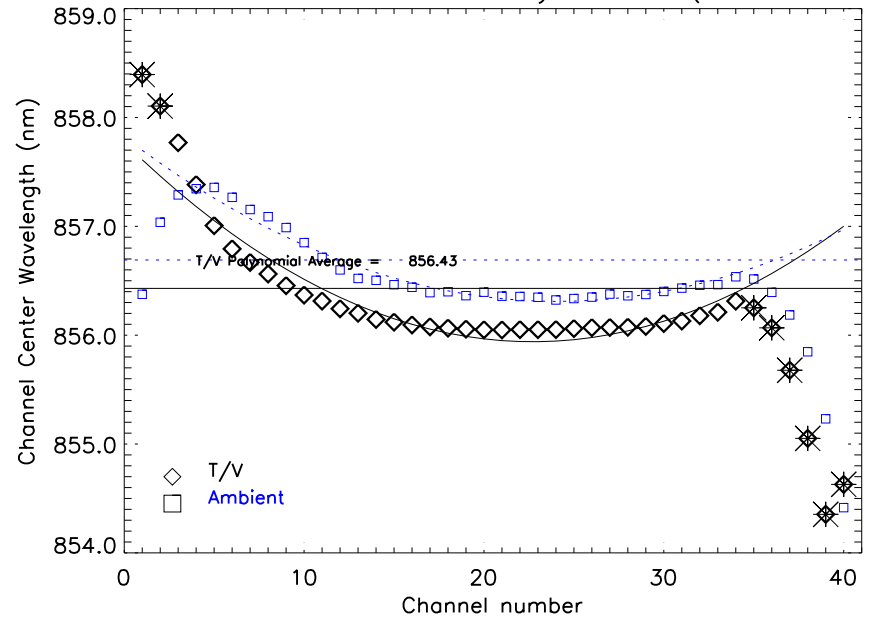
PFM Band 2 In-Band Relative Spectral Response (RSR) PC071:UAID 1571(T/V w/Purge Measured)

Corrected Band 2 RSR: All Channels + Band Average (red)



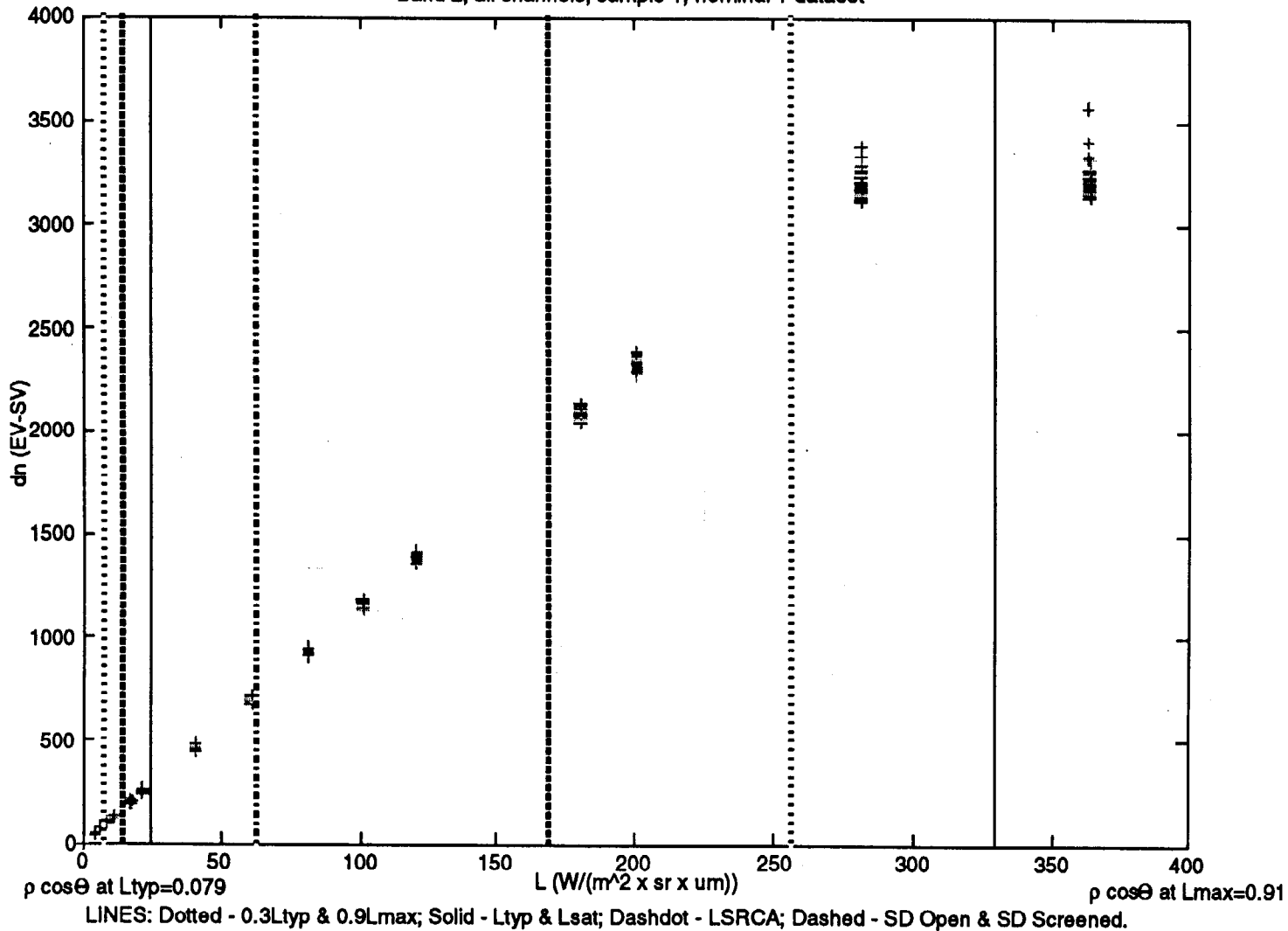
	nm	cm ⁻¹	Stdev(nm)
Center Wavelength (CWL)	856.72	11672.48	
Band Width (BW)	38.27	521.70	0.67
FWHM	37.39	521.13	0.63
Lower 50% Response	838.05	11932.53	0.94
Upper 50% Response	876.32	11411.40	0.75
Lower 1% Response	819.75	12198.89	0.72
Upper 1% Response	899.45	11117.96	0.66
SpMA Correction Ch20 =	0.38013		

Band 2 UAID 1571 CW_wtd by Channel (all inband data)

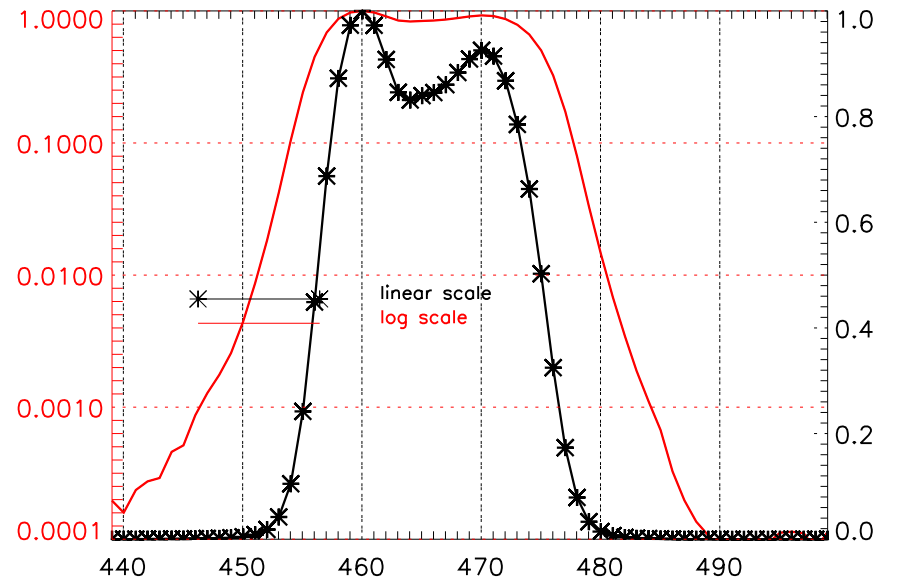
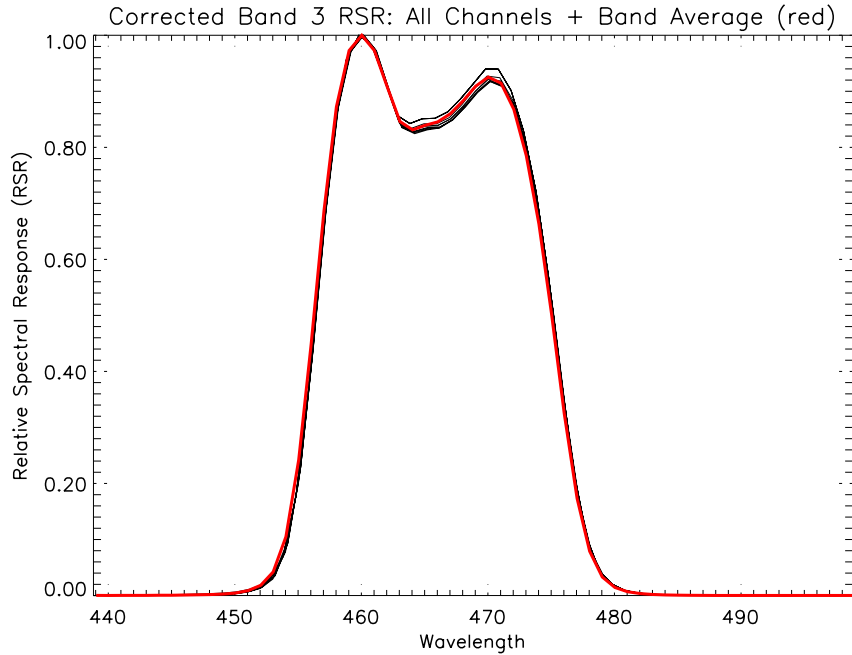


• represent CWL measurements not used to generate the fitted polynomial
 -- Average of Fitted Polynomial Points for each Channel

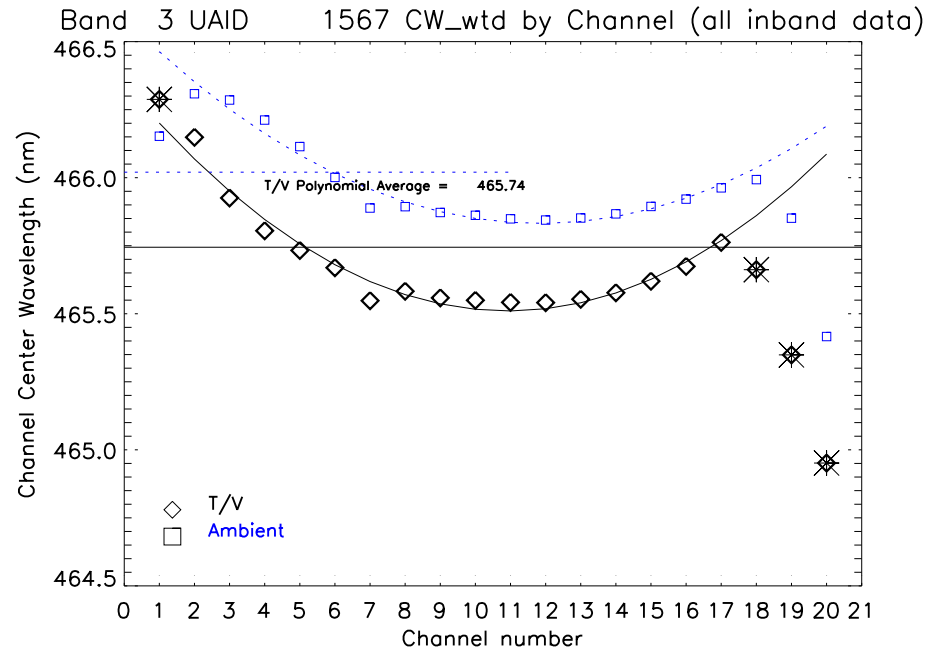
Band 2, all channels, sample 1, nominal 1 dataset



PFM Band 3 In-Band Relative Spectral Response (RSR) PC071:UAID 1567(T/V w/Purge Measured)

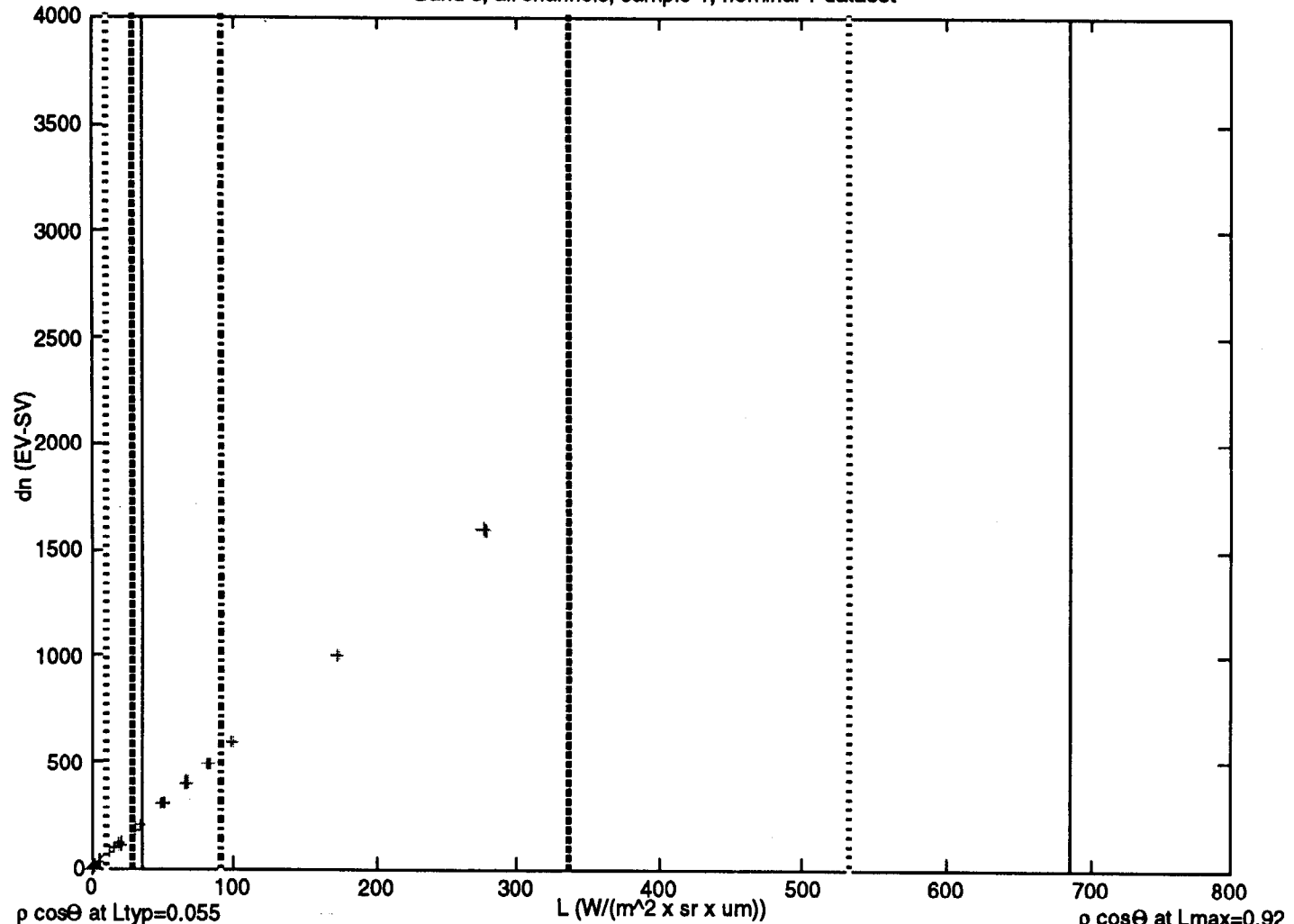


	nm	cm ⁻¹	Stdev(nm)
Center Wavelength (CWL)	465.59	21478.33	
Band Width (BW)	18.79	867.20	0.25
FWHM	18.33	866.97	0.11
Lower 50% Response	456.25	21917.78	0.25
Upper 50% Response	475.04	21050.81	0.35
Lower 1% Response	451.18	22164.13	0.28
Upper 1% Response	480.62	20806.49	0.39
SpMA Correction Ch5 =	0.01166		



* represent CWL measurements not used to generate the fitted polynomial
 -- Average of Fitted Polynomial Points for each Channel

Band 3, all channels, sample 1, nominal 1 dataset



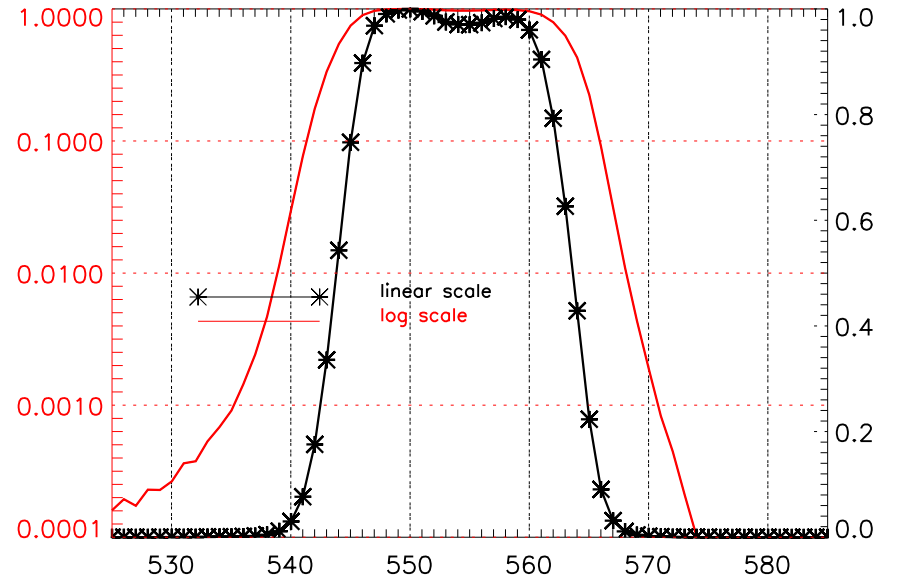
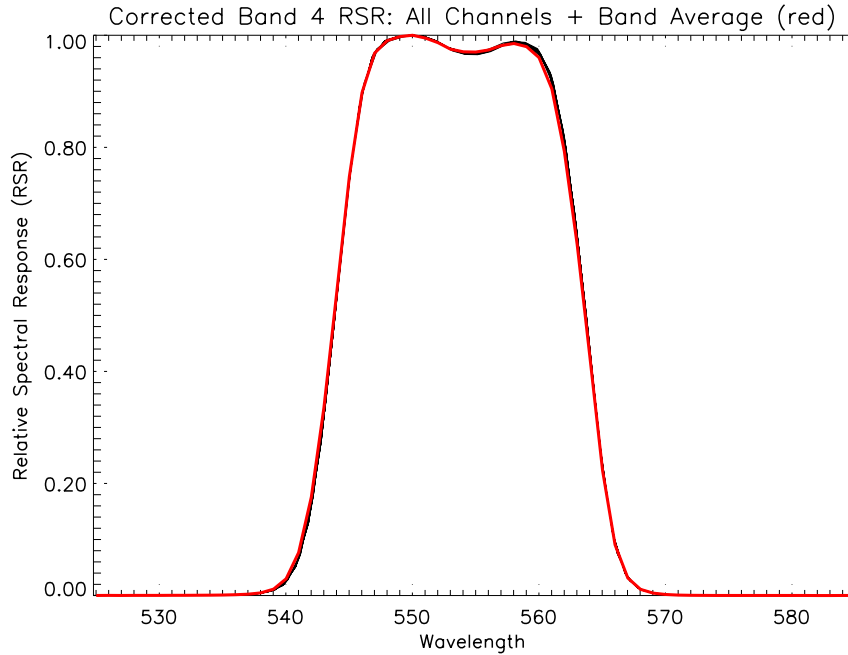
$\rho \cos\theta$ at $L_{typ}=0.055$

L (W/(m² x sr x um))

$\rho \cos\theta$ at $L_{max}=0.92$

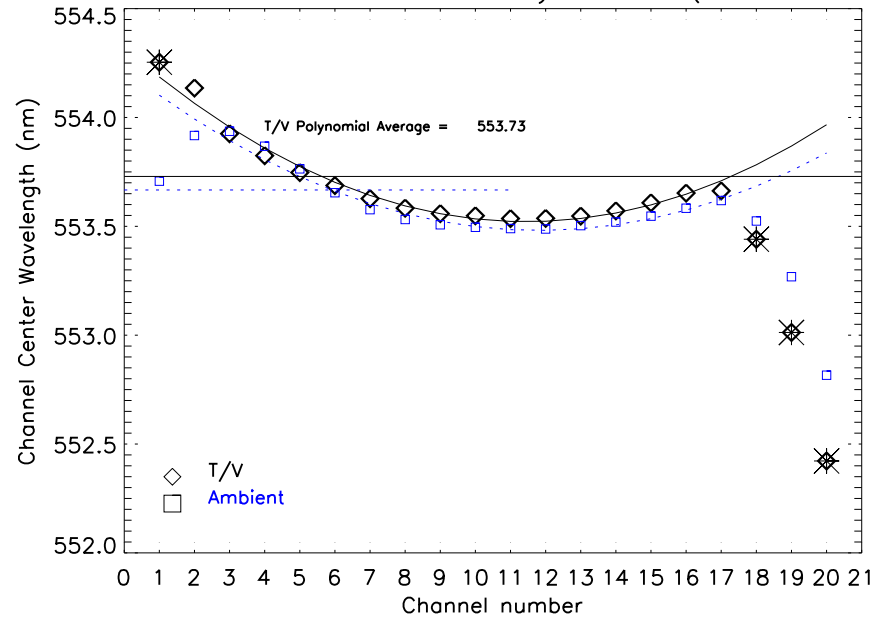
LINES: Dotted - 0.3L_{typ} & 0.9L_{max}; Solid - L_{typ} & L_{sat}; Dashdot - LSRCA; Dashed - SD Open & SD Screened.

PFM Band 4 In-Band Relative Spectral Response (RSR) PC071:UAID 1571(T/V w/Purge Measured)



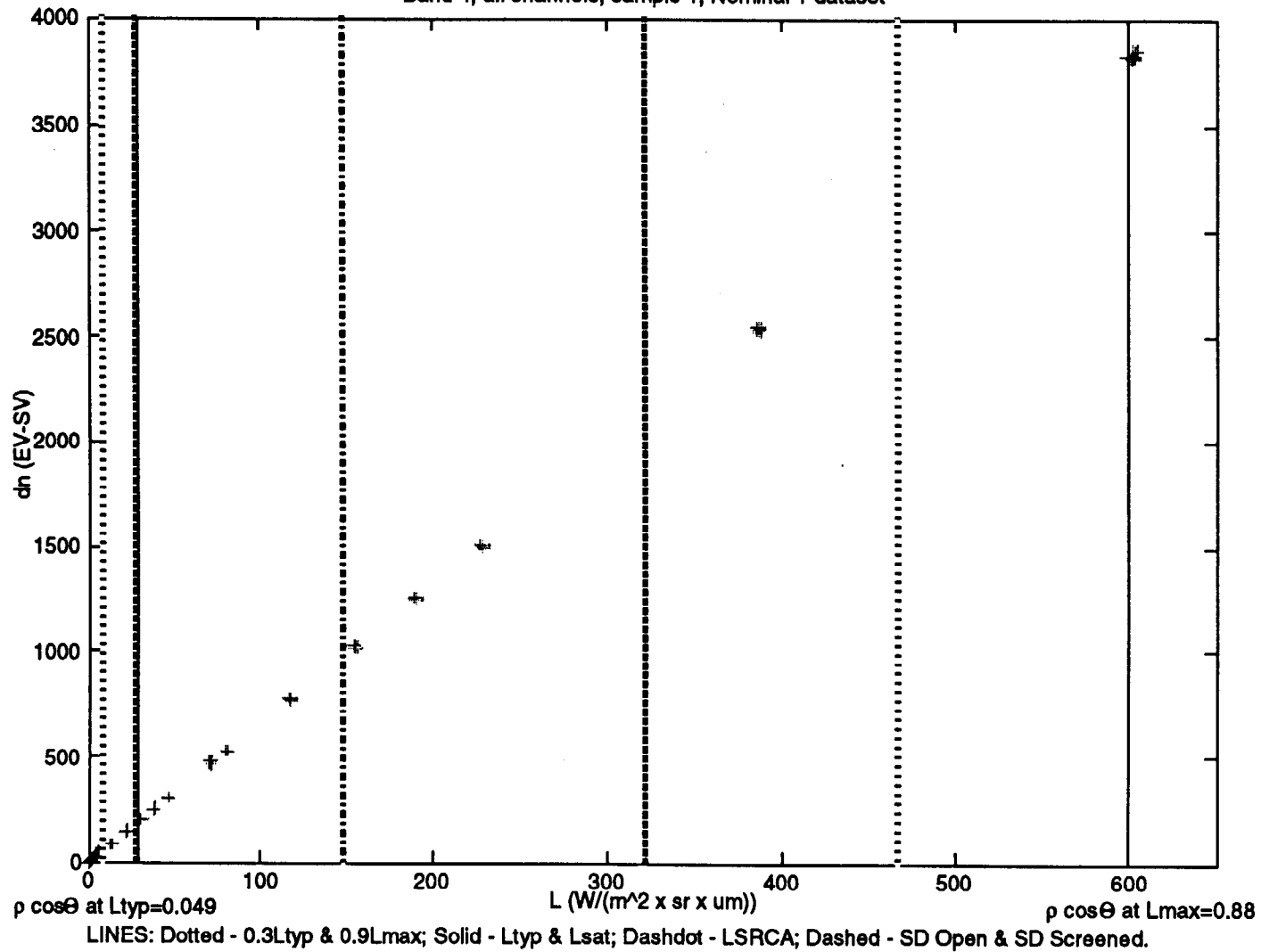
	nm	cm ⁻¹	Stdev(nm)
Center Wavelength (CWL)	553.65	18062.06	
Band Width (BW)	19.84	647.36	0.15
FWHM	19.54	647.14	0.08
Lower 50% Response	543.82	18388.49	0.37
Upper 50% Response	563.66	17741.35	0.43
Lower 1% Response	538.82	18559.21	0.42
Upper 1% Response	568.17	17600.23	0.37
SpMA Correction Ch5 =	-0.01794		

Band 4 UAID 1571 CW_wtd by Channel (all inband data)

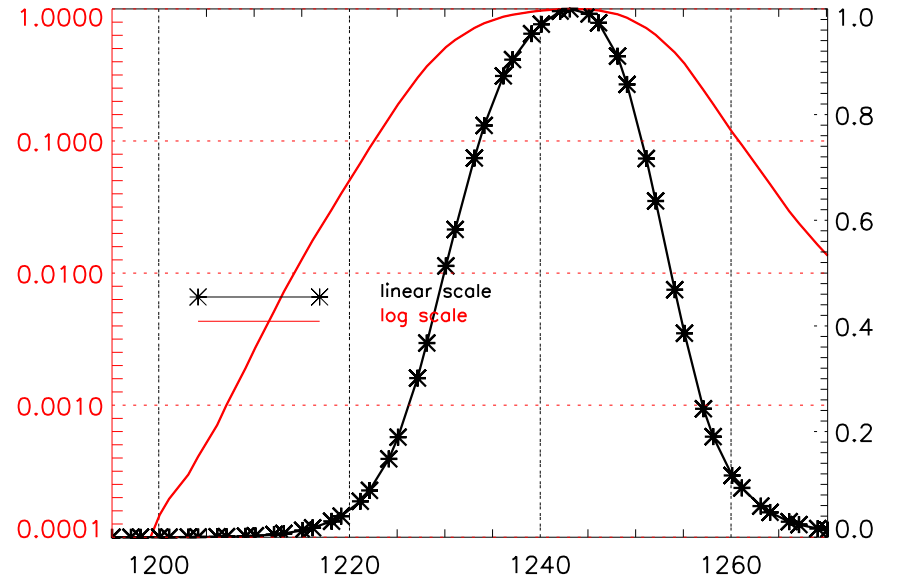
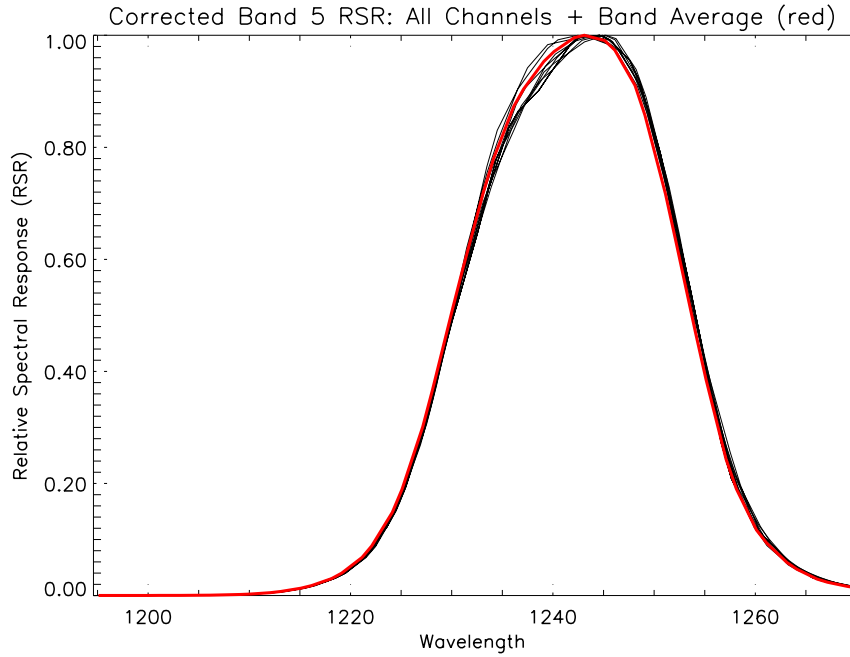


* represent CWL measurements not used to generate the fitted polynomial
 -- Average of Fitted Polynomial Points for each Channel

Band 4, all channels, sample 1, Nominal 1 dataset

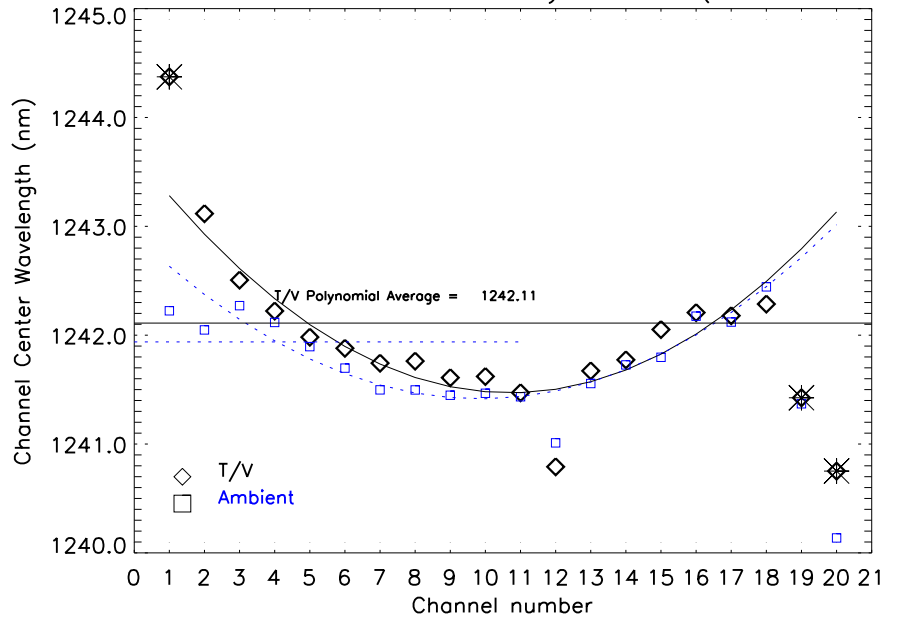


PFM Band 5 In-Band Relative Spectral Response (RSR) PC071:UAID 1581(T/V w/Purge Measured)



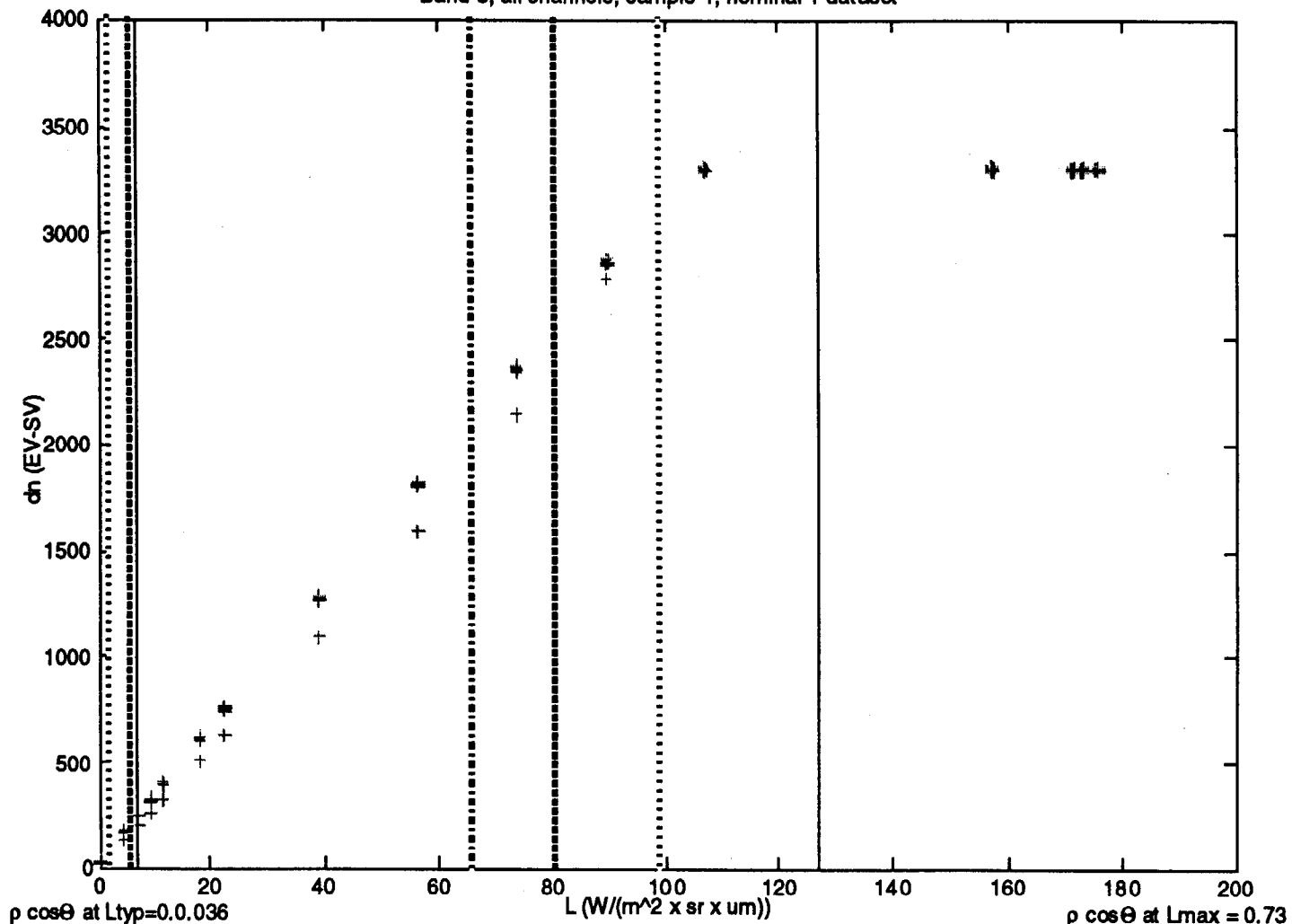
	nm	cm ⁻¹	Stdev(nm)
Center Wavelength (CWL)	1241.86	8052.46	
Band Width (BW)	23.80	154.31	0.78
FWHM	23.80	154.32	0.89
Lower 50% Response	1229.93	8130.58	0.98
Upper 50% Response	1253.72	7976.26	0.79
Lower 1% Response	1214.07	8236.78	0.73
Upper 1% Response	1270.13	7873.22	0.07
SpMA Correction Ch5 =	0.12866		

Band 5 UAID 1581 CW_wtd by Channel (all inband data)



* represent CWL measurements not used to generate the fitted polynomial
 -- Average of Fitted Polynomial Points for each Channel

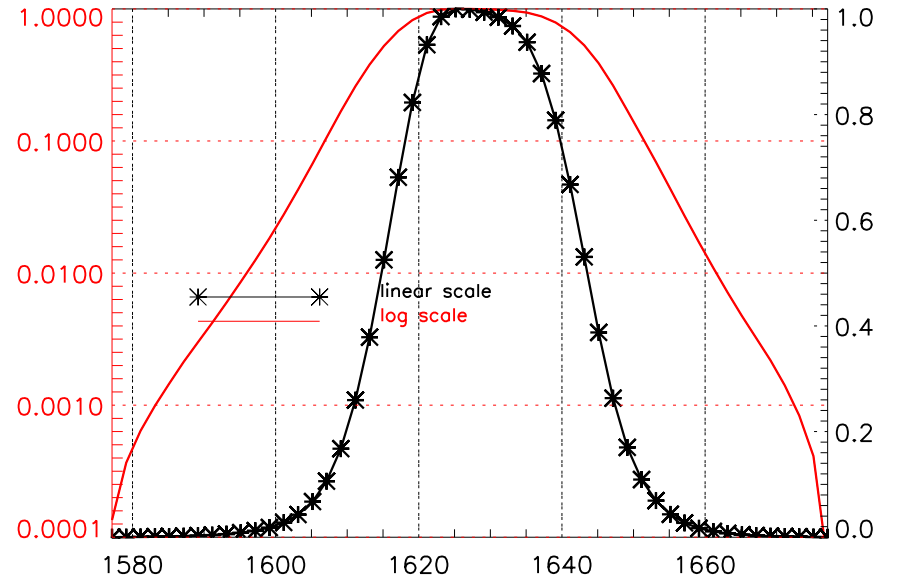
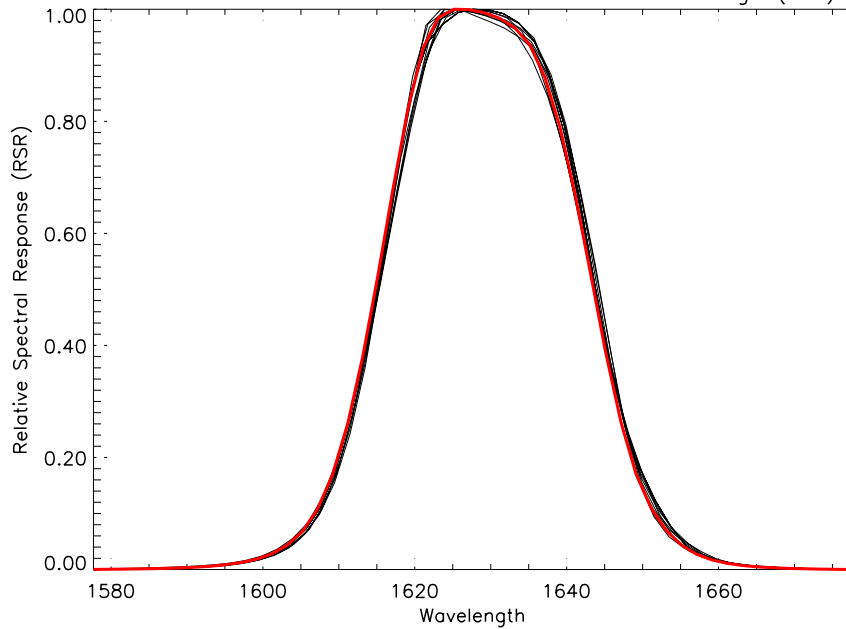
Band 5, all channels, sample 1, nominal 1 dataset



LINES: Dotted - 0.3Ltyp & 0.9Lmax; Solid - Ltyp & Lsat; Dashdot - LSRCA; Dashed - SD Open & SD Screened.

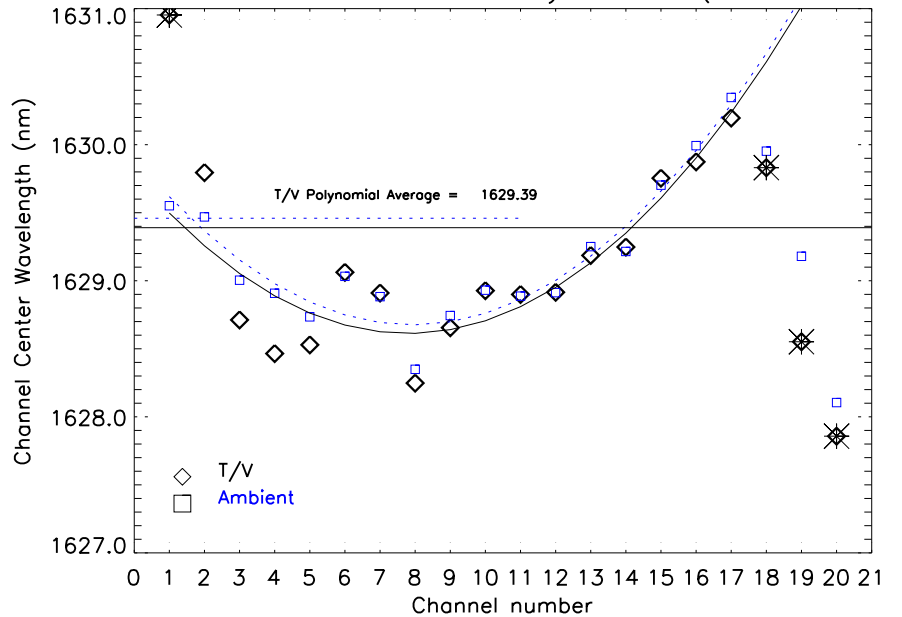
PFM Band 6 In-Band Relative Spectral Response (RSR) PC071:UAID 1583(T/V w/Purge Measured)

Corrected Band 6 RSR: All Channels + Band Average (red)



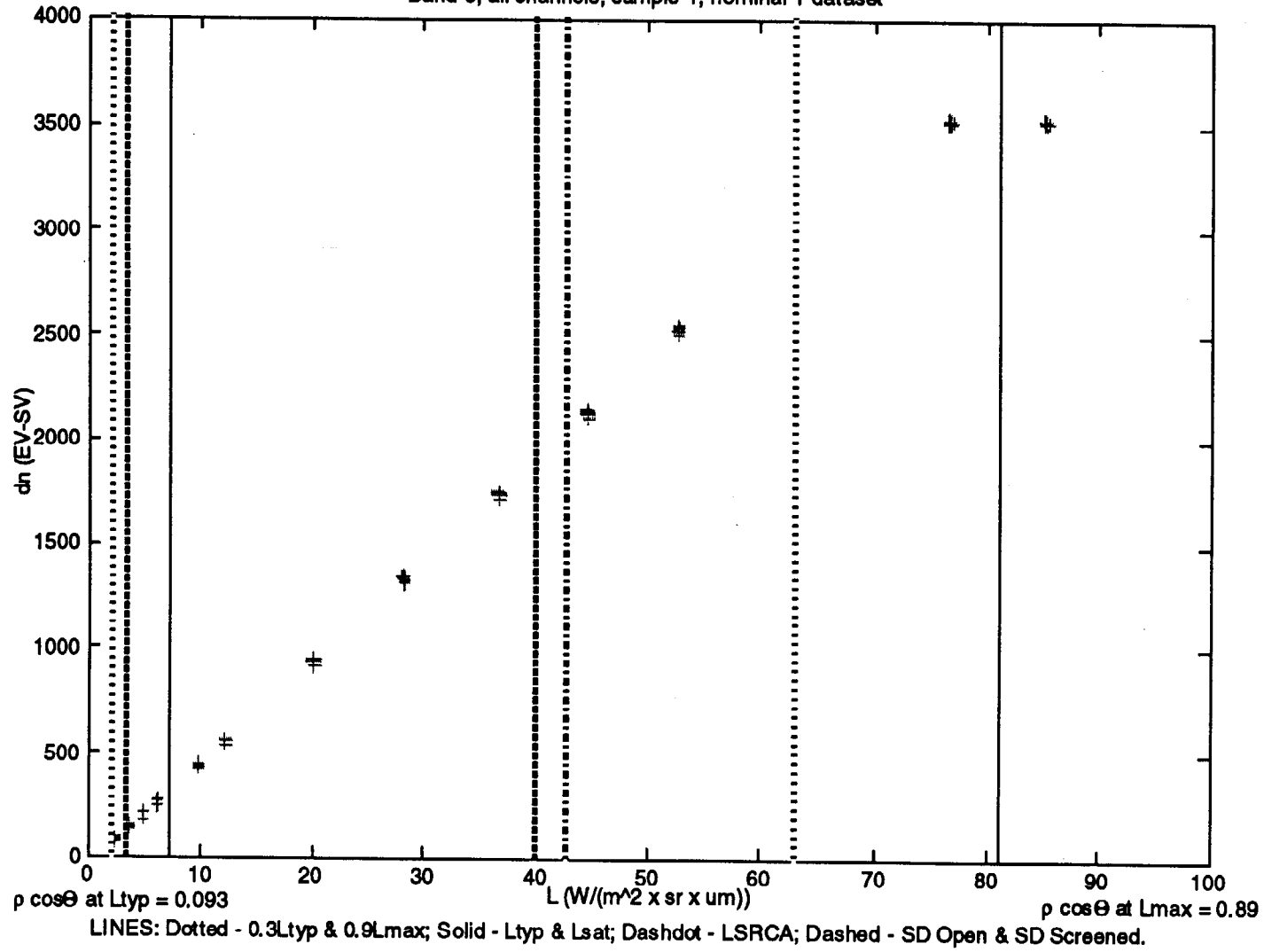
	nm	cm ⁻¹	Stdev(nm)
Center Wavelength (CWL)	1629.05	6138.56	
Band Width (BW)	28.76	108.37	0.71
FWHM	27.74	108.35	0.51
Lower 50% Response	1614.79	6192.74	0.78
Upper 50% Response	1643.55	6084.39	0.80
Lower 1% Response	1595.86	6266.21	1.15
Upper 1% Response	1661.65	6018.12	0.99
SpMA Correction Ch5 =	0.86084		

Band 6 UAID 1583 CW_wtd by Channel (all inband data)

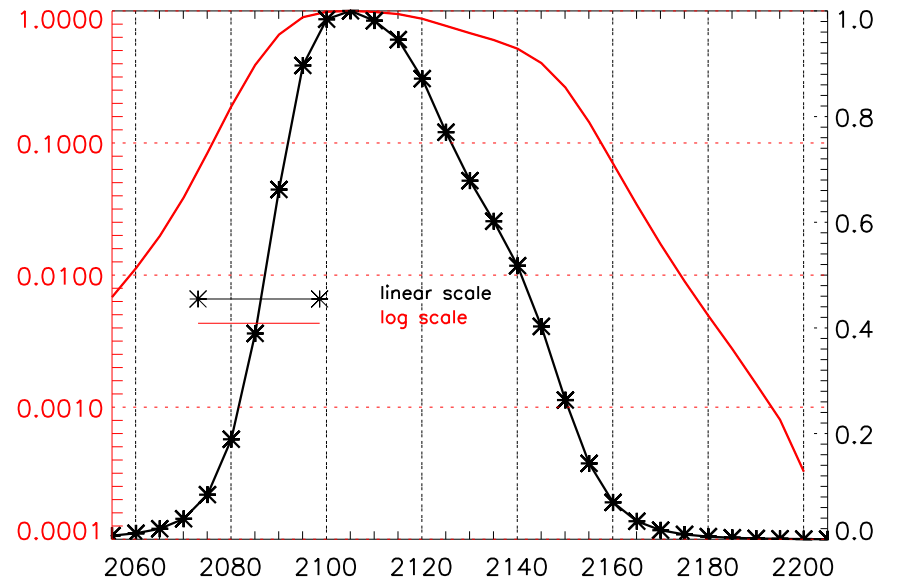
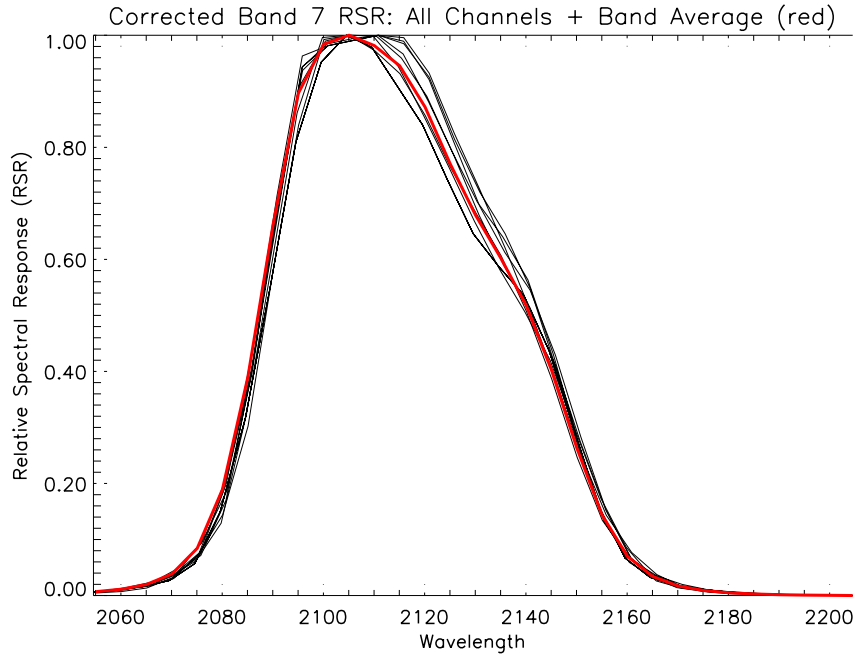


* represent CWL measurements not used to generate the fitted polynomial
 -- Average of Fitted Polynomial Points for each Channel

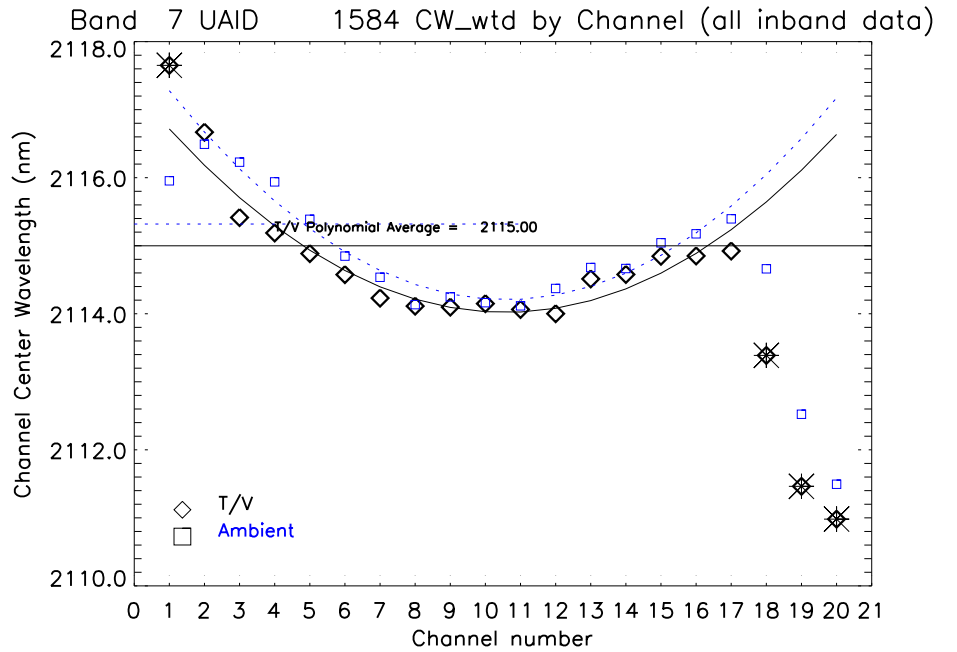
Band 6, all channels, sample 1, nominal 1 dataset



PFM Band 7 In-Band Relative Spectral Response (RSR) PC07I:UAID 1584(T/V w/Purge Measured)

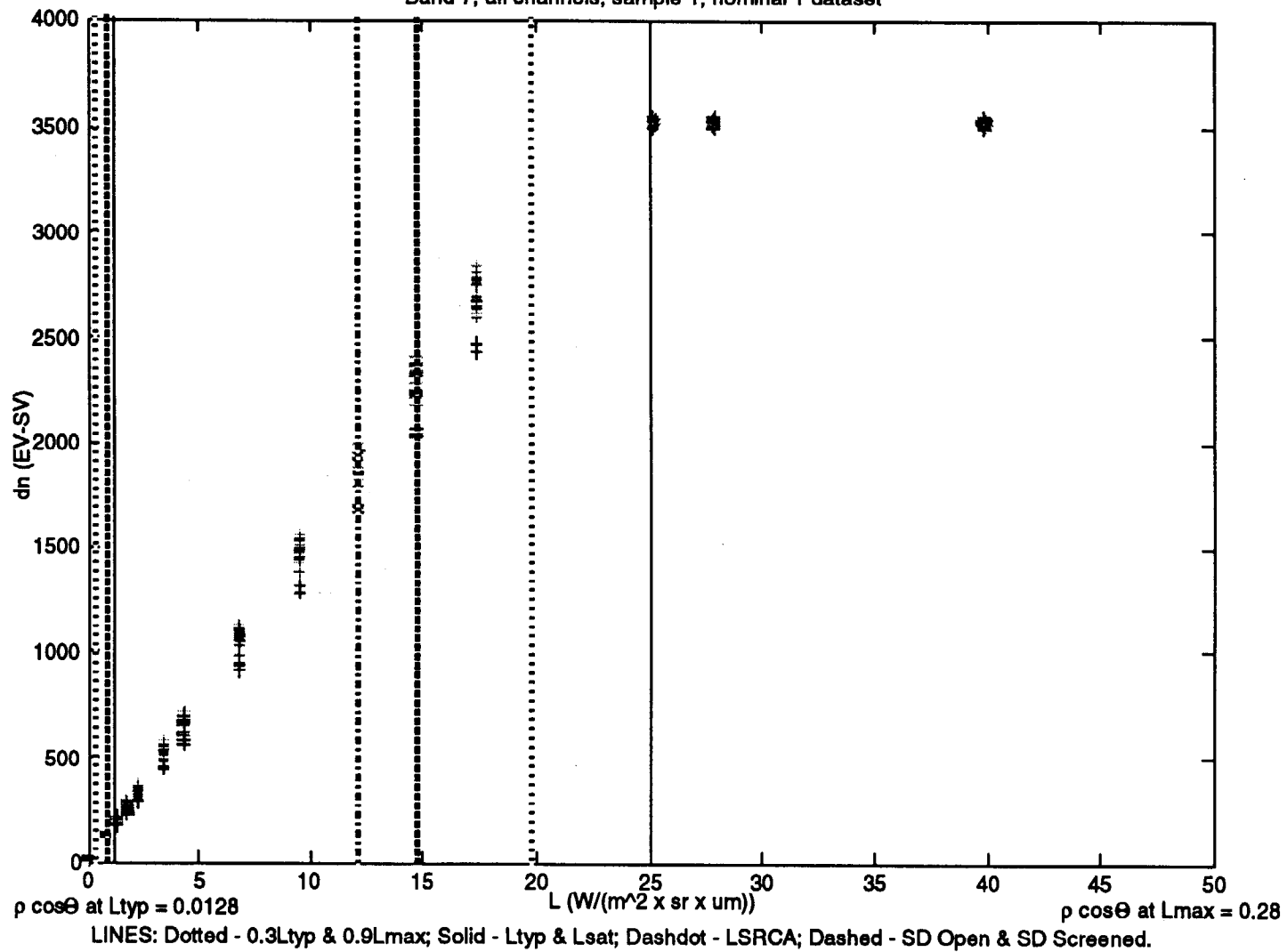


	nm	cm ⁻¹	Stdev(nm)
Center Wavelength (CWL)	2114.30	4729.70	
Band Width (BW)	53.73	120.22	2.45
FWHM	48.22	120.26	2.35
Lower 50% Response	2087.09	4791.35	1.30
Upper 50% Response	2140.83	4671.09	2.24
Lower 1% Response	2058.65	4857.56	1.85
Upper 1% Response	2174.43	4598.91	2.79
SpMA Correction Ch5 =	0.11450		

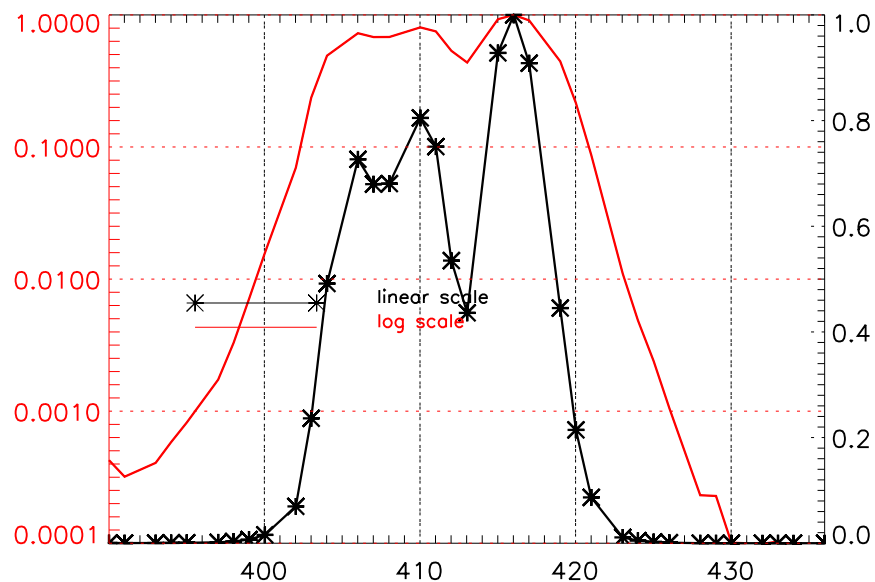
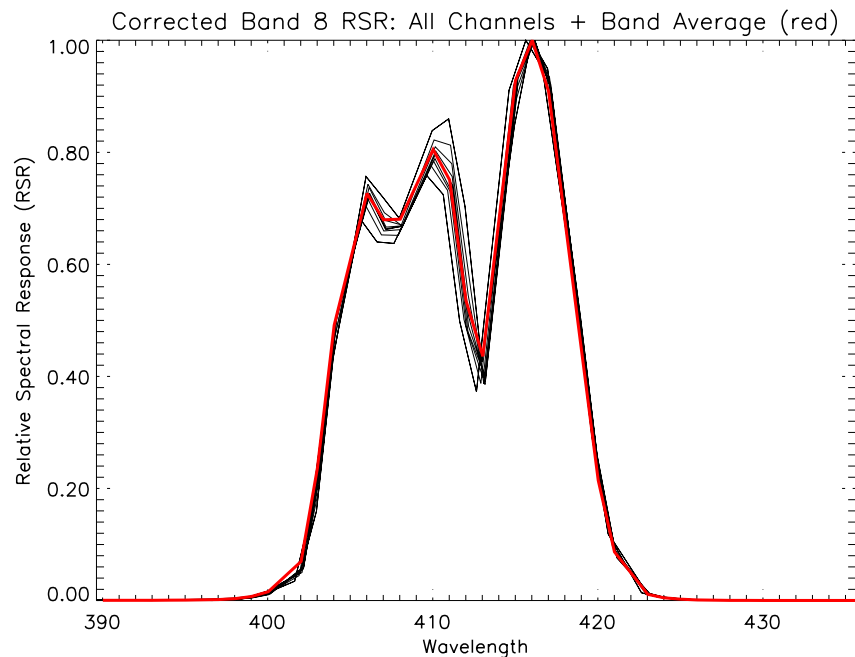


* represent CWL measurements not used to generate the fitted polynomial
 -- Average of Fitted Polynomial Points for each Channel

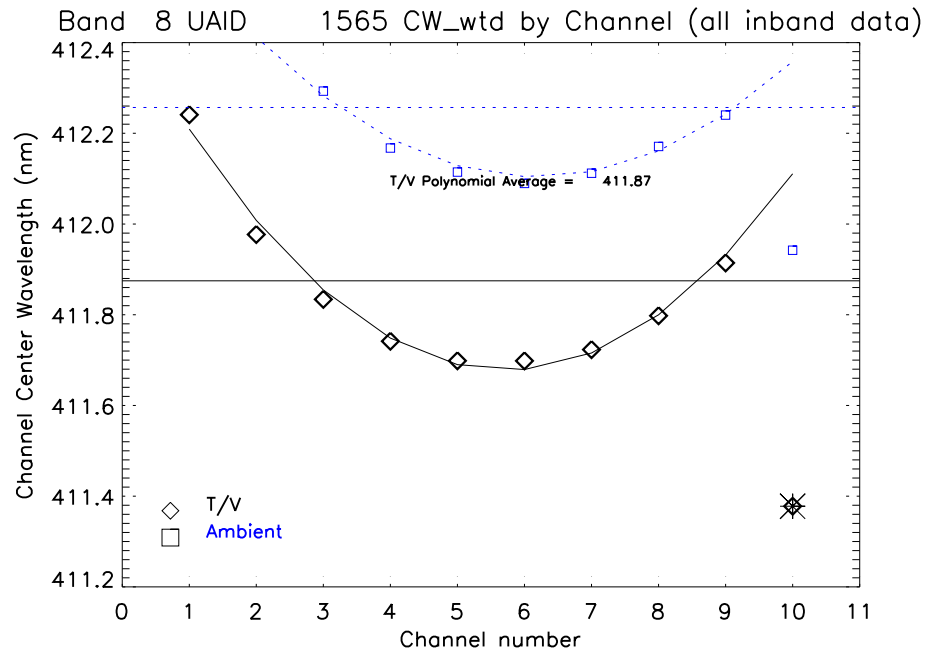
Band 7, all channels, sample 1, nominal 1 dataset



PFM Band 8 In-Band Relative Spectral Response (RSR) PC07I:UAID 1565 (T/V w/Purge Measured)

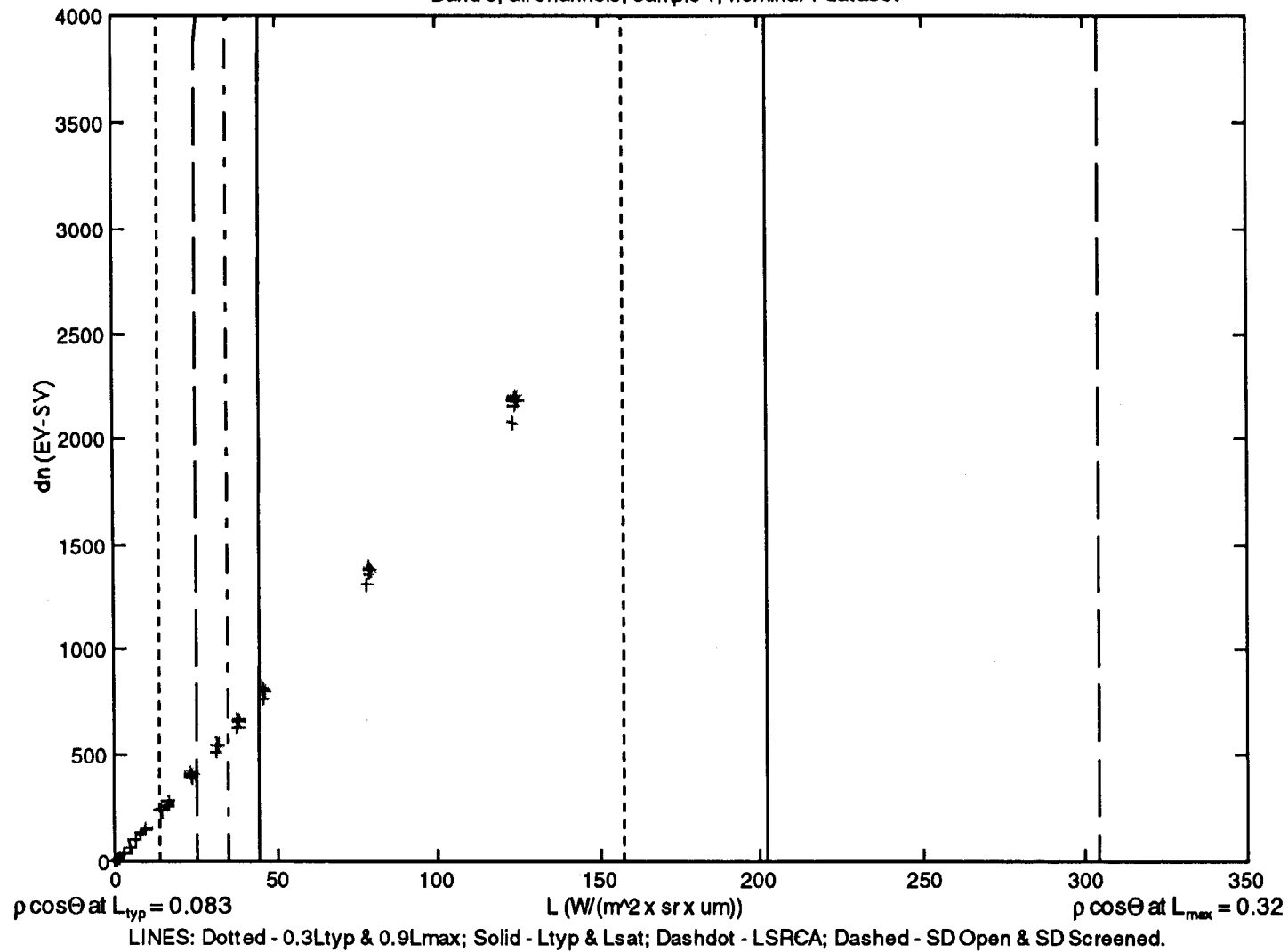


	nm	cm ⁻¹	Stdev(nm)
Center Wavelength (CWL)	411.74	24286.96	
Band Width (BW)	14.68	866.09	0.36
FWHM	14.33	867.37	0.16
Lower 50% Response	404.10	24746.33	0.26
Upper 50% Response	418.78	23878.96	0.19
Lower 1% Response	399.36	25040.31	0.35
Upper 1% Response	423.19	23630.21	0.20
SpMA Correction Ch5 =	0.17630		

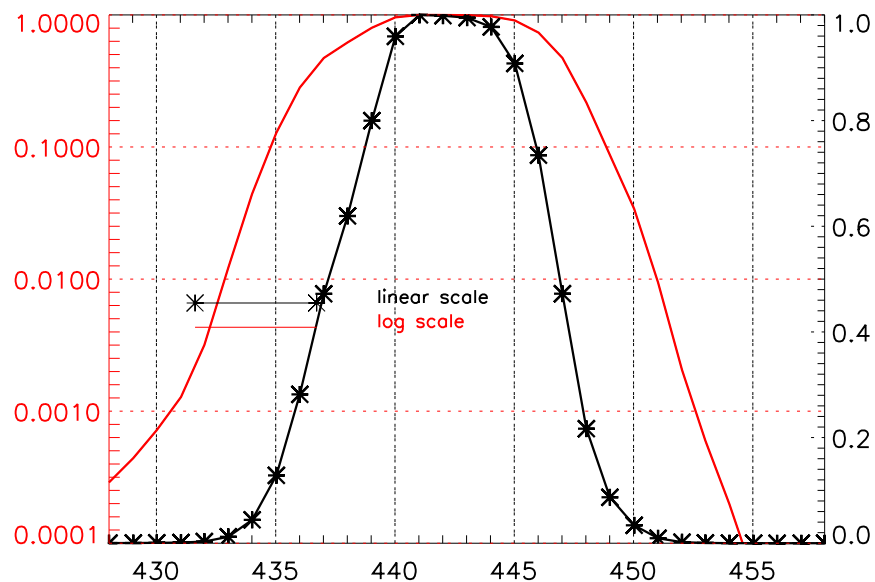
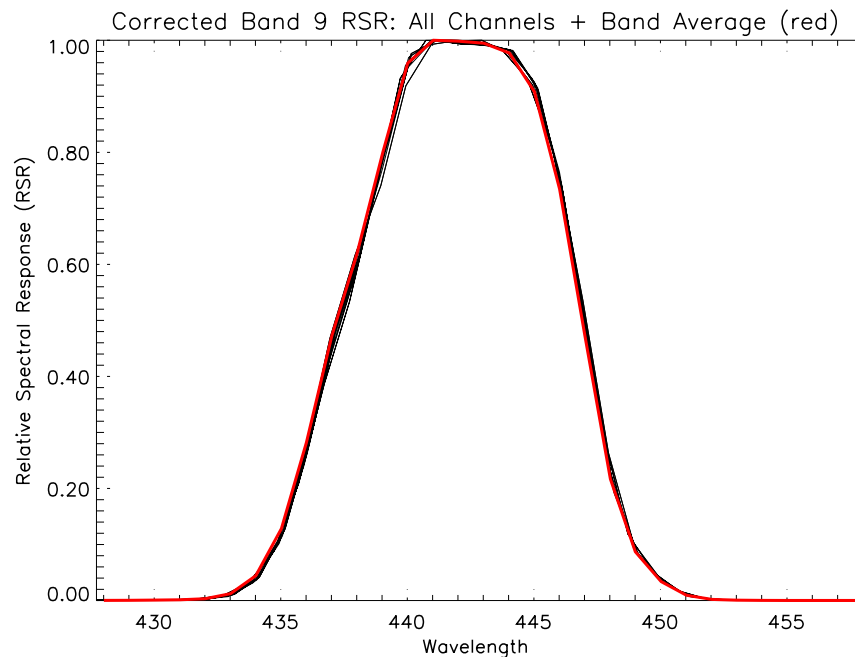


* represent CWL measurements not used to generate the fitted polynomial
 -- Average of Fitted Polynomial Points for each Channel

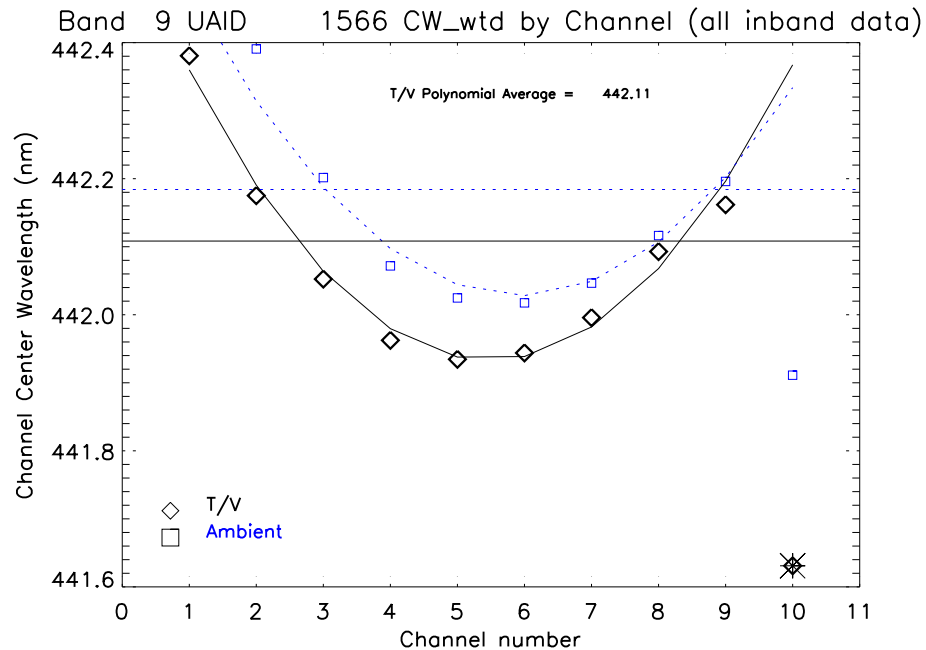
Band 8, all channels, sample 1, nominal 1 dataset



PFM Band 9 In-Band Relative Spectral Response (RSR) PC07I:UAID 1566 (T/V w/Purge Measured)

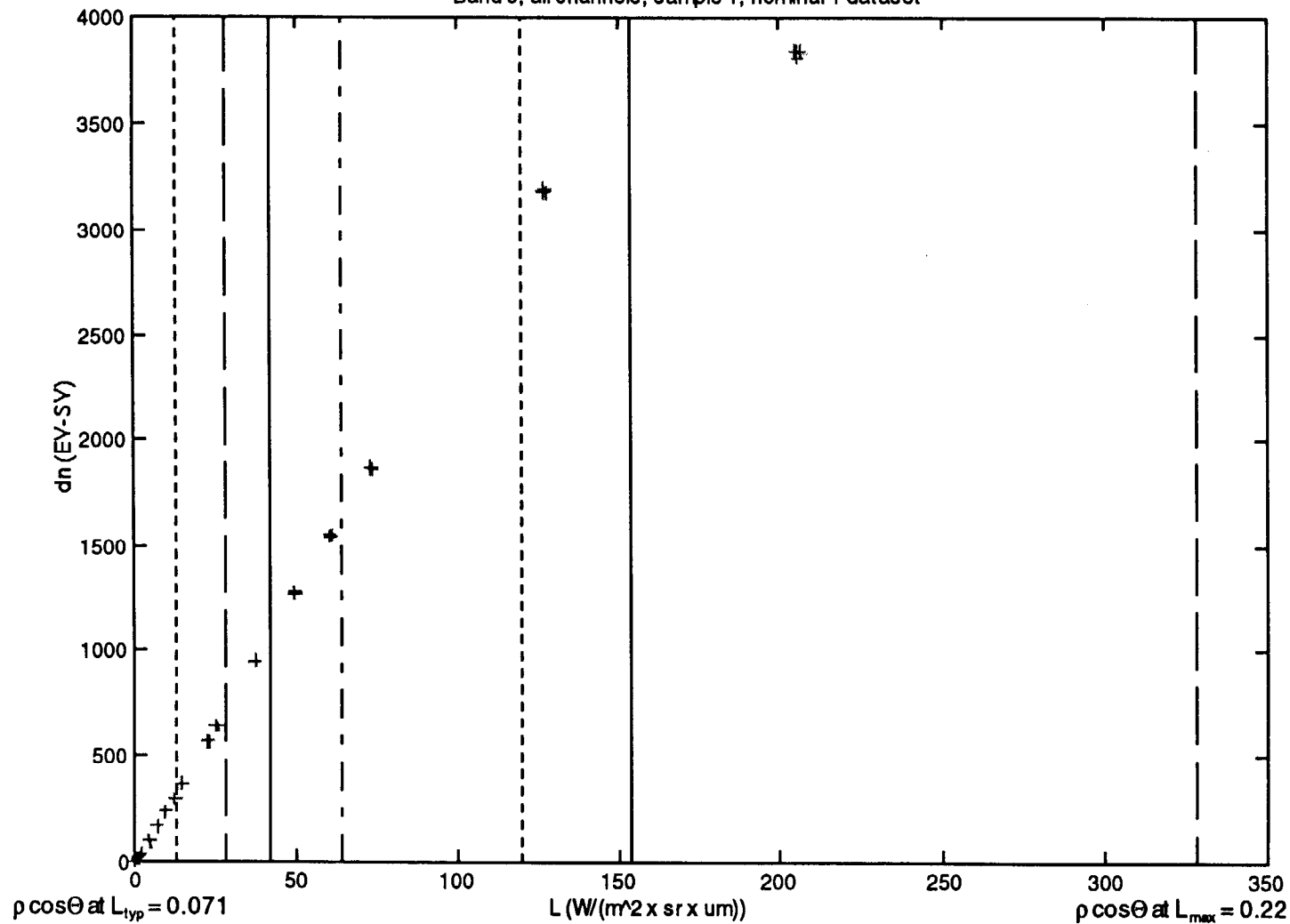


	nm	cm ⁻¹	Stdev(nm)
Center Wavelength (CWL)	442.02	22623.51	
Band Width (BW)	9.71	496.97	0.03
FWHM	10.03	496.88	0.16
Lower 50% Response	437.20	22872.67	0.31
Upper 50% Response	446.91	22375.79	0.20
Lower 1% Response	432.77	23107.06	0.17
Upper 1% Response	451.00	22172.77	0.23
SpMA Correction Ch5 =	0.17377		



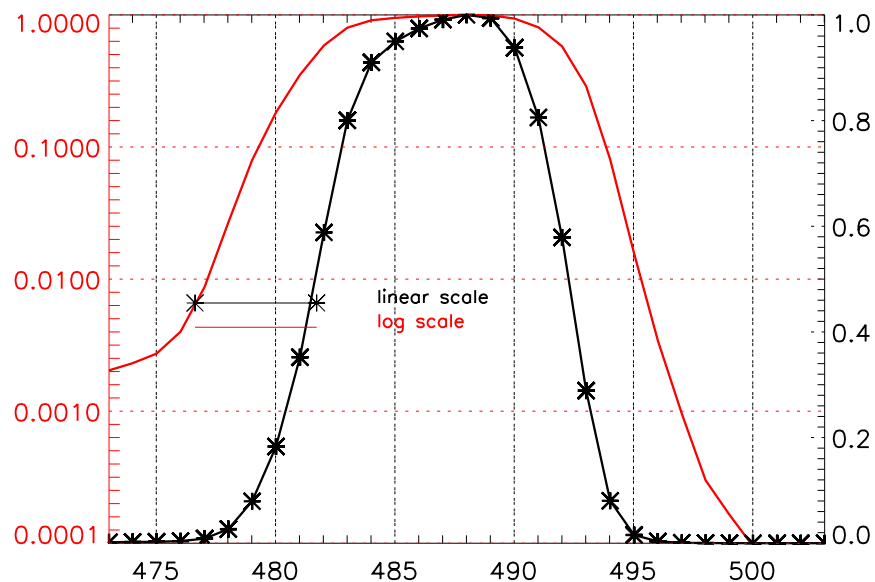
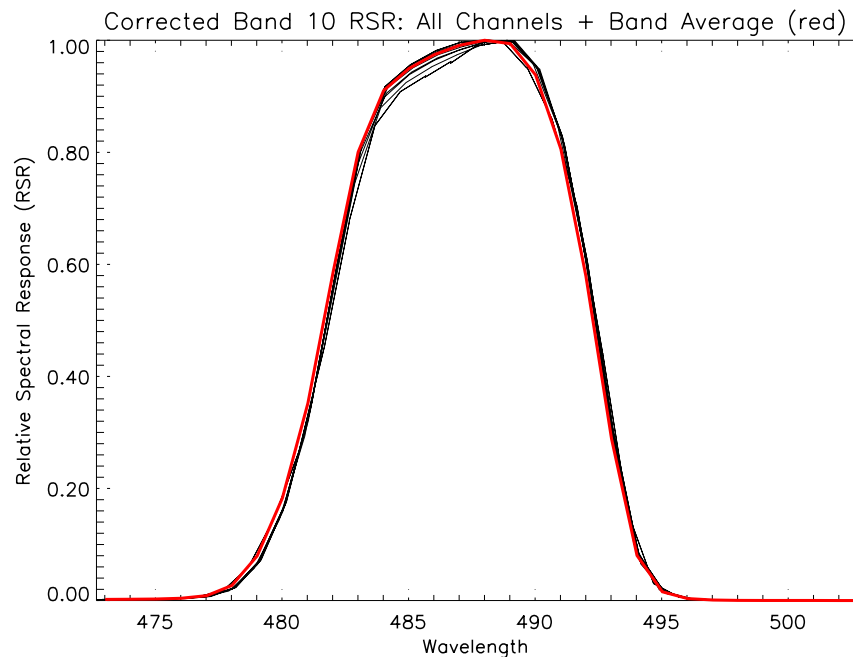
* represent CWL measurements not used to generate the fitted polynomial
 -- Average of Fitted Polynomial Points for each Channel

Band 9, all channels, sample 1, nominal 1 dataset

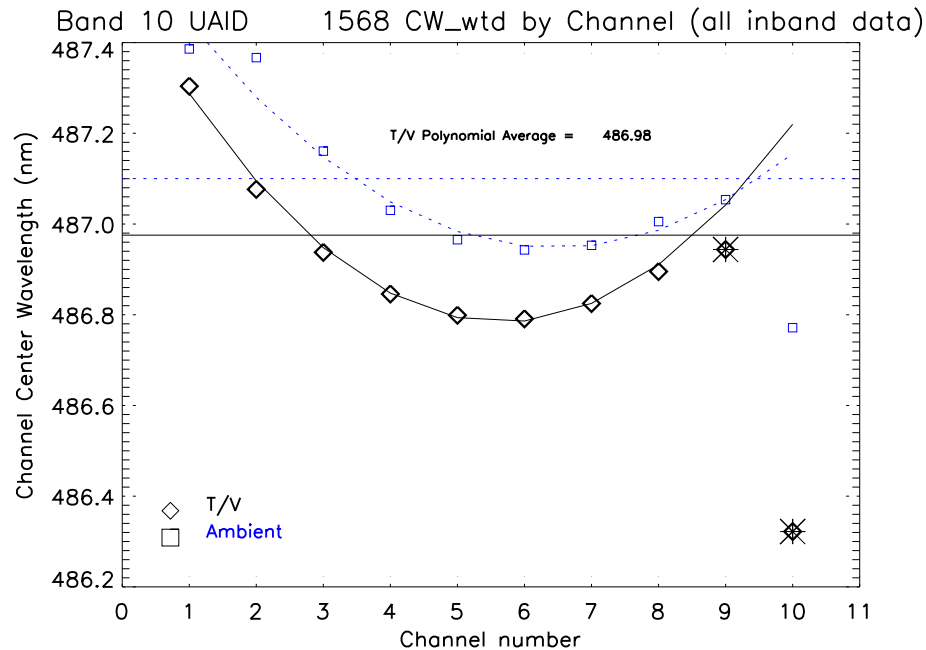


LINES: Dotted - 0.3L_{typ} & 0.9L_{max}; Solid - L_{typ} & L_{sat}; Dashdot - LSRCA; Dashed - SD Open & SD Screened.

PFM Band 10 In-Band Relative Spectral Response (RSR) PC071:UAID 1568 (T/V w/Purge Measured)

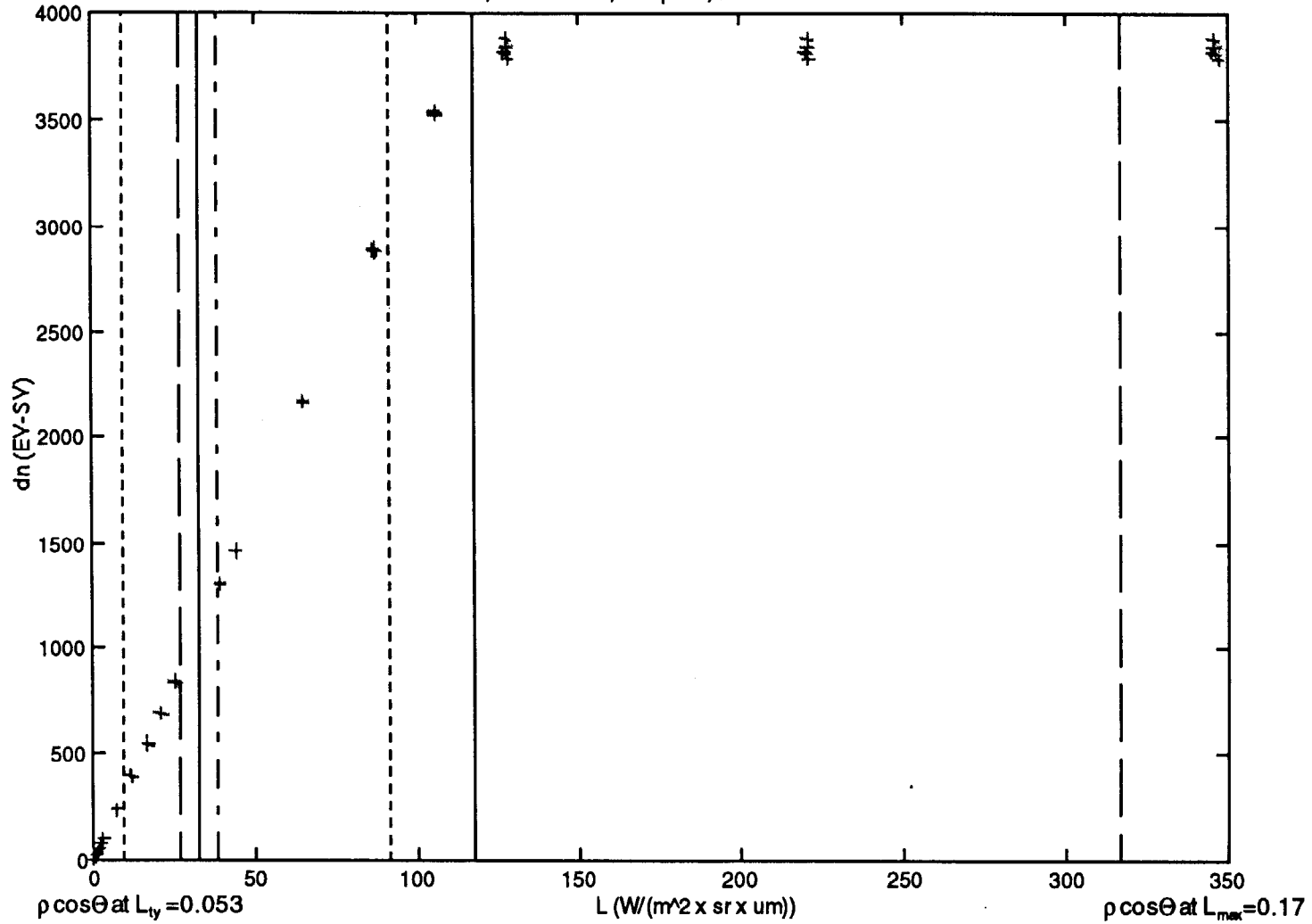


	nm	cm ⁻¹	Stdev(nm)
Center Wavelength (CWL)	486.85	20540.42	
Band Width (BW)	10.63	448.59	0.08
FWHM	10.55	448.36	0.04
Lower 50% Response	481.65	20761.86	0.28
Upper 50% Response	492.28	20313.50	0.28
Lower 1% Response	477.10	20960.11	0.09
Upper 1% Response	495.49	20182.14	0.21
SpMA Correction Ch5 =	0.17661		



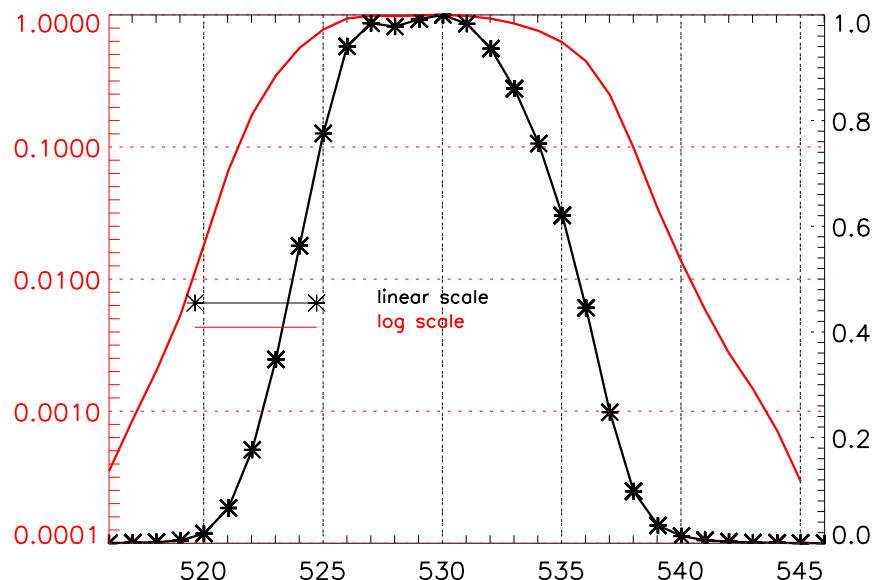
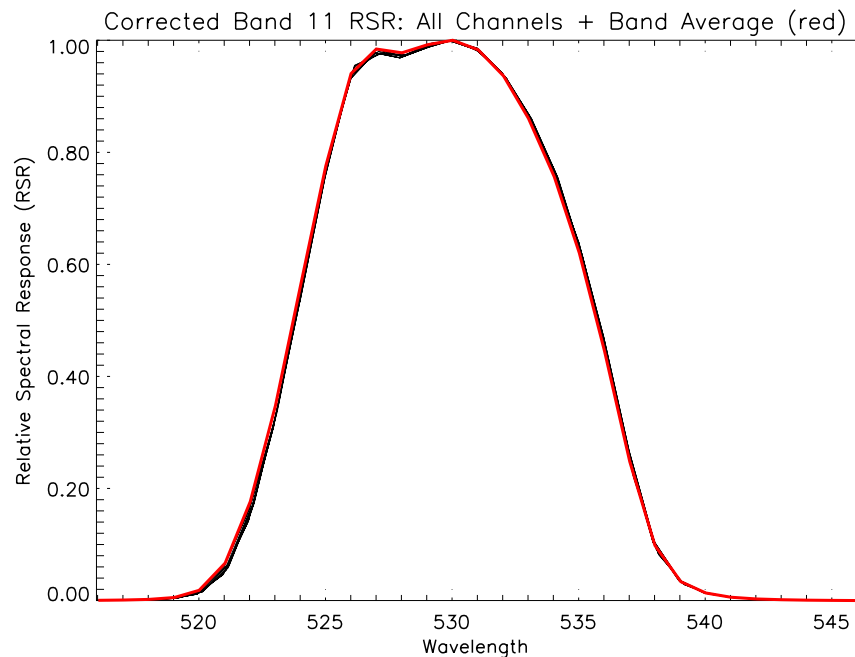
* represent CWL measurements not used to generate the fitted polynomial
 -- Average of Fitted Polynomial Points for each Channel

Band 10, all channels, sample 1, nominal 1 dataset

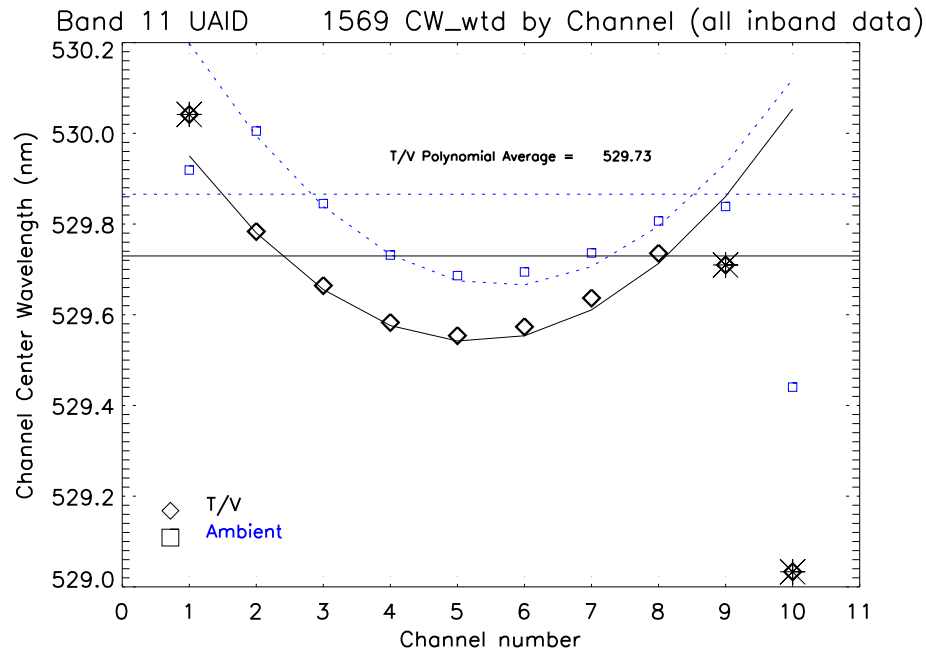


LINES: Dotted - 0.3L_{typ} & 0.9L_{max}; Solid - L_{typ} & L_{sat}; Dashdot - LSRCA; Dashed - SD Open & SD Screened.

PFM Band 11 In-Band Relative Spectral Response (RSR) PC071:UAID 1569 (T/V w/Purge Measured)

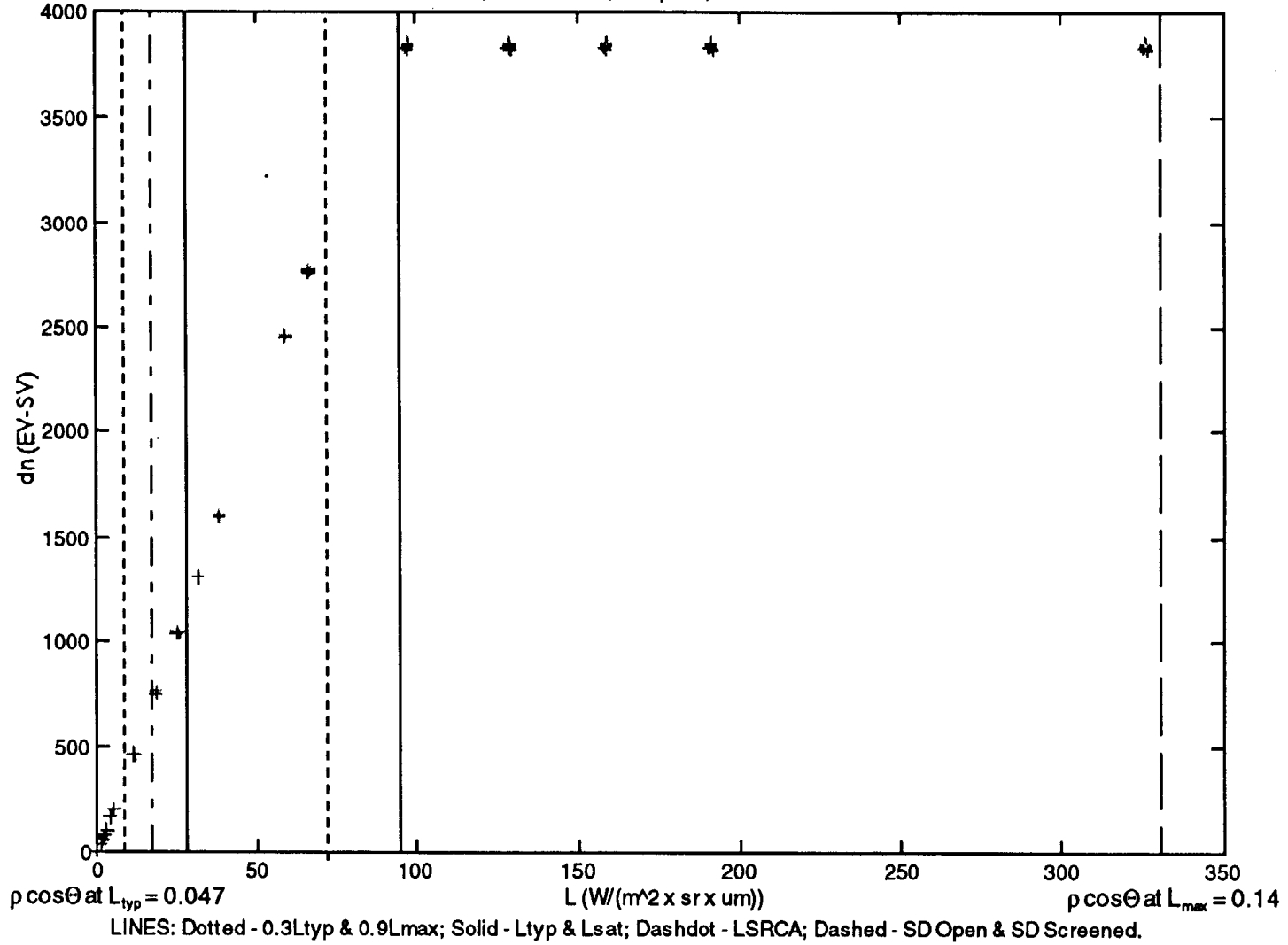


	nm	cm ⁻¹	Stdev(nm)
Center Wavelength (CWL)	529.66	18880.08	
Band Width (BW)	11.99	427.30	0.05
FWHM	12.05	427.20	0.03
Lower 50% Response	523.73	19093.91	0.31
Upper 50% Response	535.71	18666.71	0.30
Lower 1% Response	519.38	19253.60	0.25
Upper 1% Response	540.47	18502.26	0.25
SpMA Correction Ch5 =	0.17566		

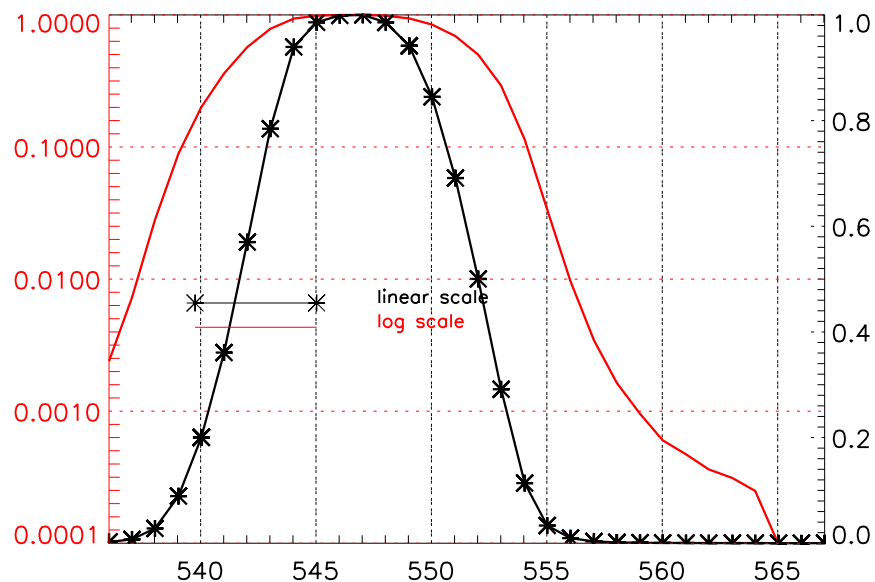
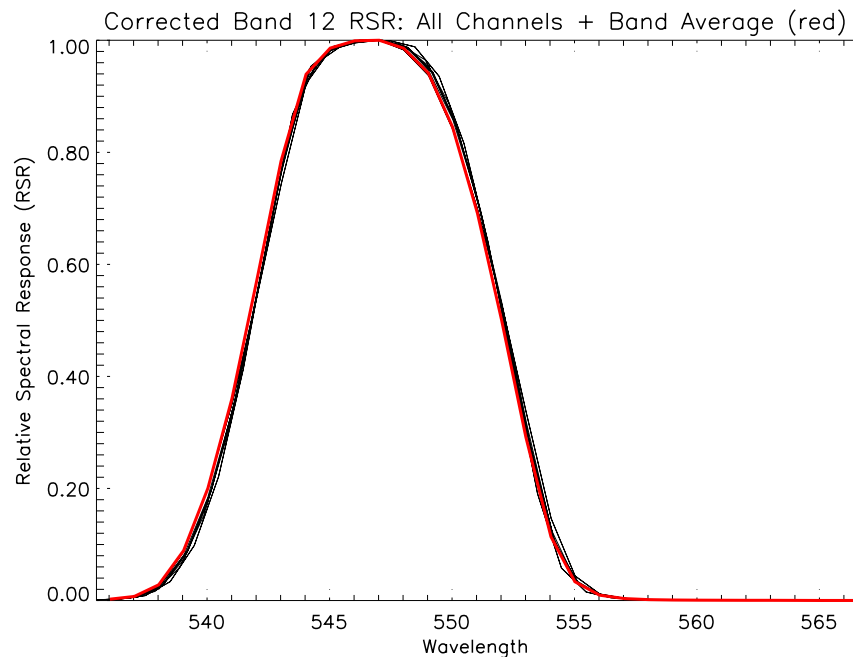


* represent CWL measurements not used to generate the fitted polynomial
 -- Average of Fitted Polynomial Points for each Channel

Band 11, all channels, sample 1, Nominal 1 dataset

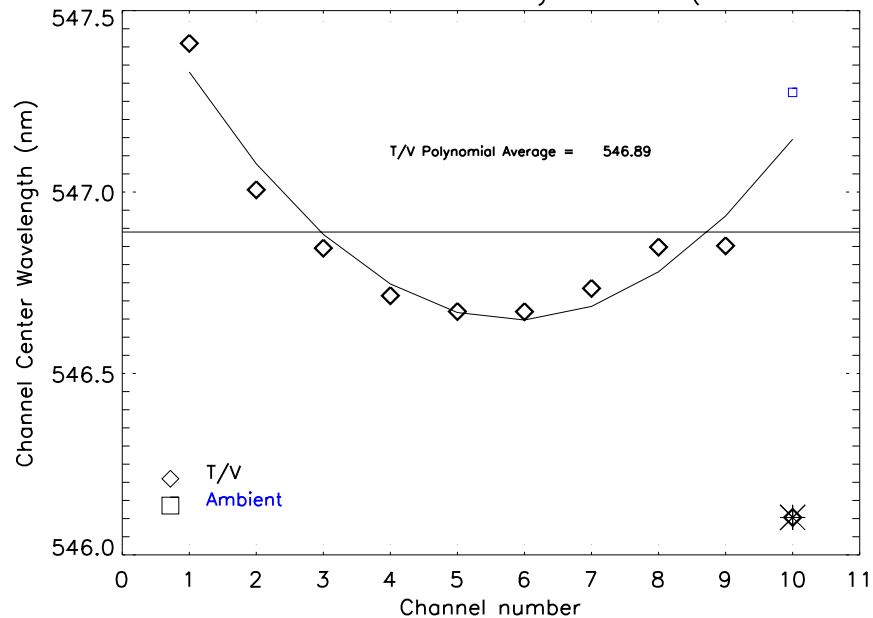


PFM Band 12 In-Band Relative Spectral Response (RSR) PC071:UAID 1570 (T/V w/Purge Measured)



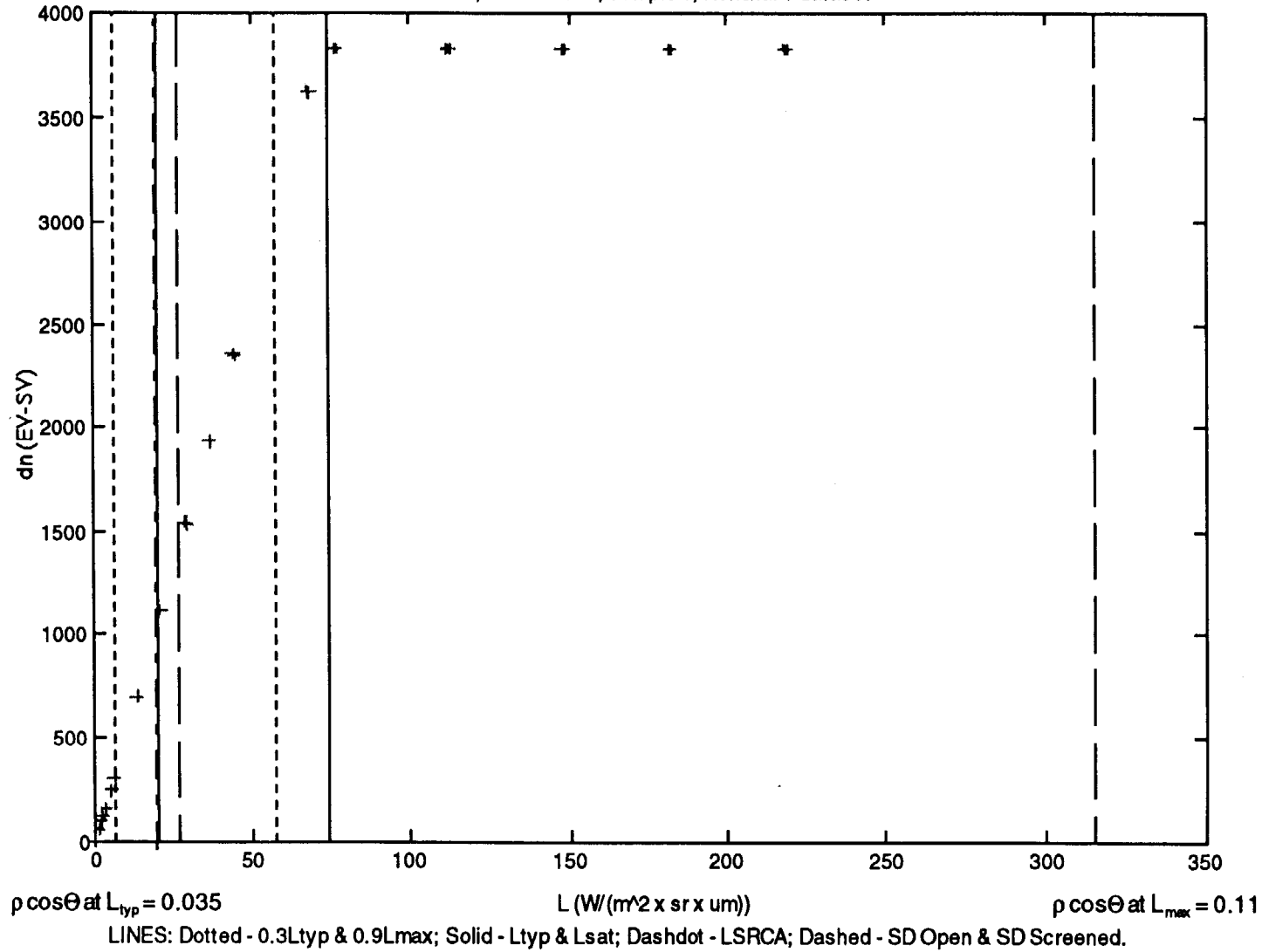
	nm	cm ⁻¹	Stdev(nm)
Center Wavelength (CWL)	546.76	18289.41	
Band Width (BW)	10.34	345.98	0.03
FWHM	10.31	345.86	0.04
Lower 50% Response	541.69	18460.90	0.36
Upper 50% Response	552.03	18115.04	0.35
Lower 1% Response	537.16	18616.47	0.29
Upper 1% Response	556.01	17985.33	0.21
SpMA Correction Ch5 =	0.21899		

Band 12 UAID 1570 CW_wtd by Channel (all inband data)

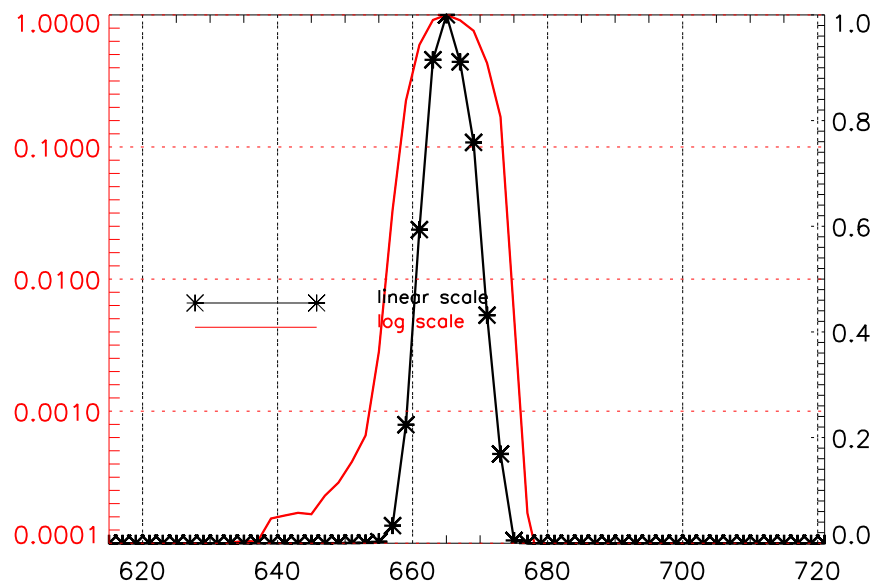
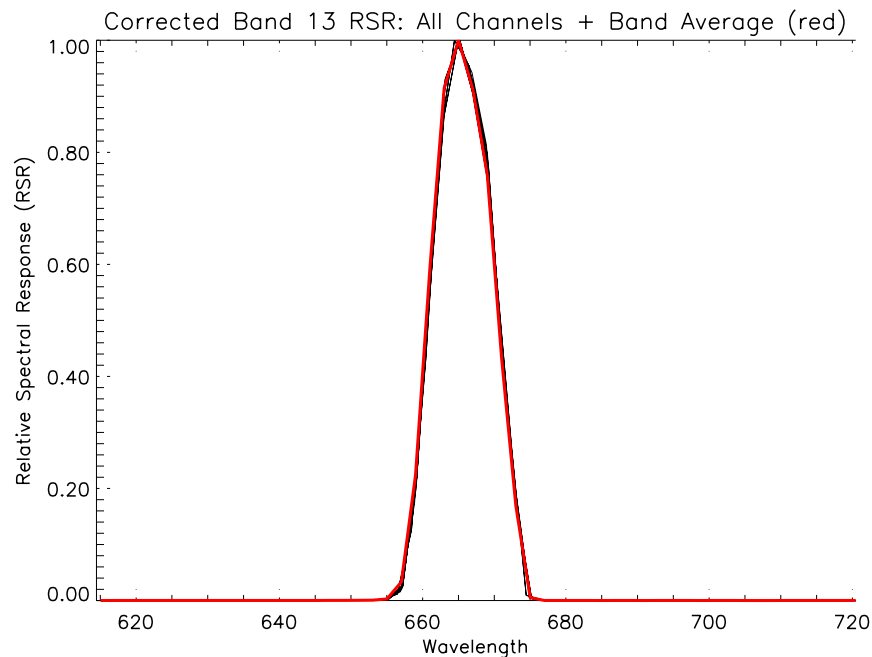


* represent CWL measurements not used to generate the fitted polynomial
 -- Average of Fitted Polynomial Points for each Channel

Band 12, all channels, sample 1, Nominal 1 dataset

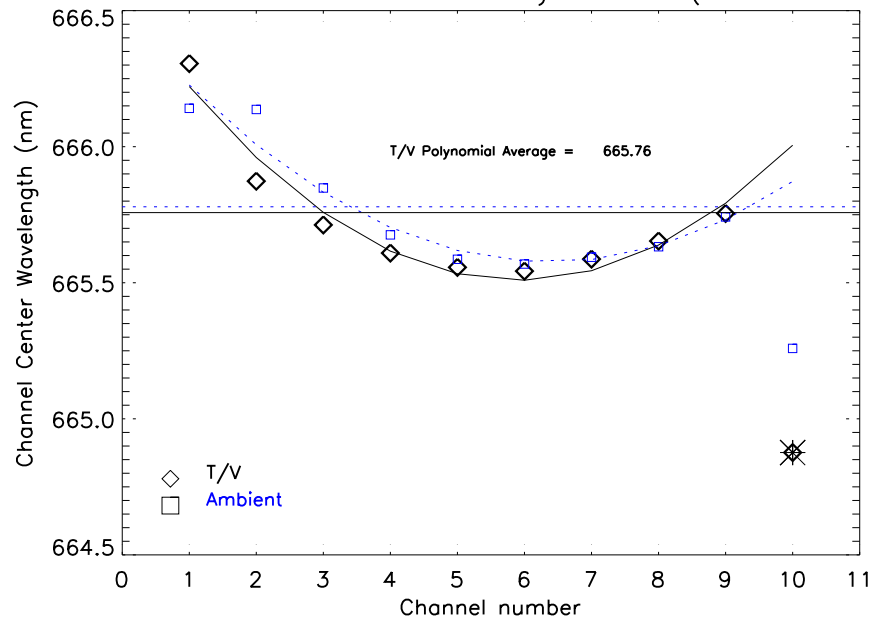


PFM Band 13 In-Band Relative Spectral Response (RSR) PC071:UAID 1573 (T/V w/Purge Measured)



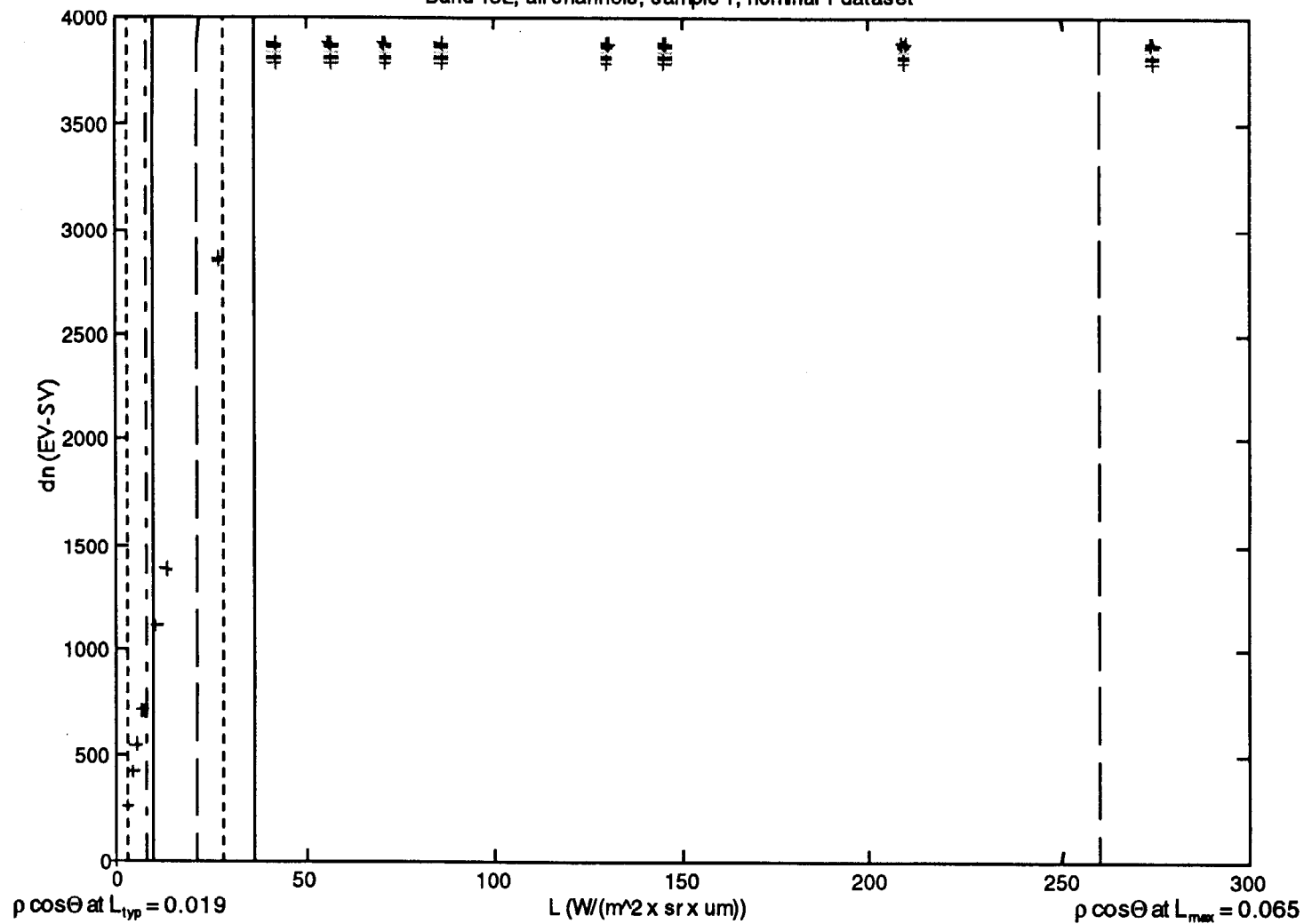
	nm	cm ⁻¹	Stdev(nm)
Center Wavelength (CWL)	665.61	15023.82	
Band Width (BW)	10.11	228.23	0.08
FWHM	10.17	228.26	0.07
Lower 50% Response	660.50	15139.94	0.40
Upper 50% Response	670.62	14911.68	0.38
Lower 1% Response	655.49	15255.80	0.36
Upper 1% Response	674.97	14815.45	0.04
SpMA Correction Ch5 =	0.20129		

Band 13 UAID 1573 CW_wtd by Channel (all inband data)



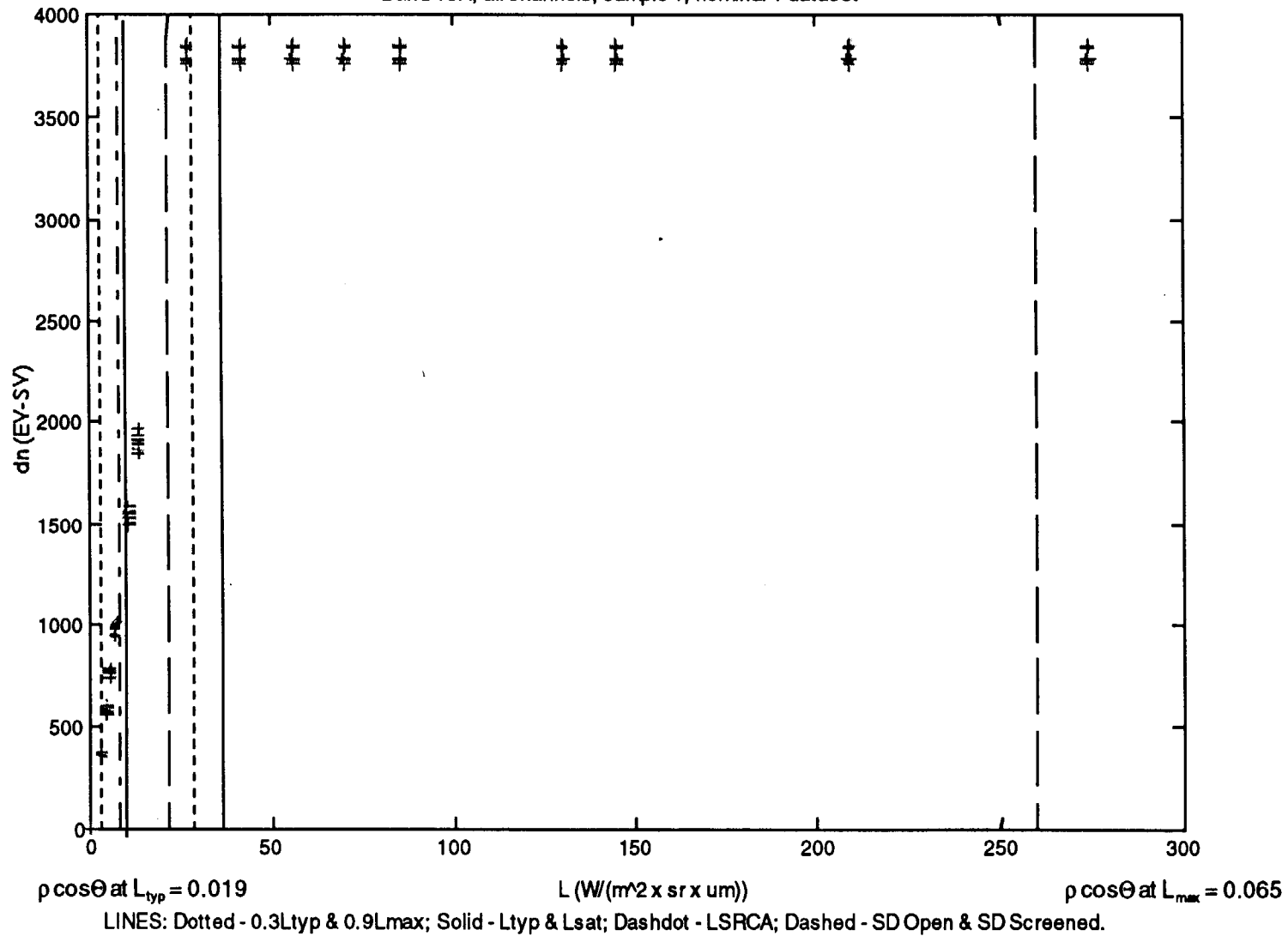
* represent CWL measurements not used to generate the fitted polynomial
 -- Average of Fitted Polynomial Points for each Channel

Band 13L, all channels, sample 1, nominal 1 dataset

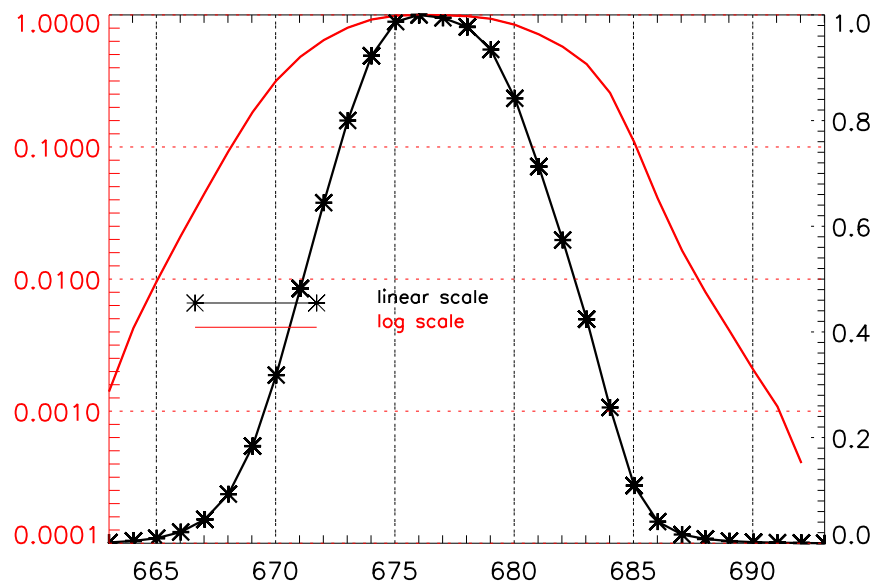
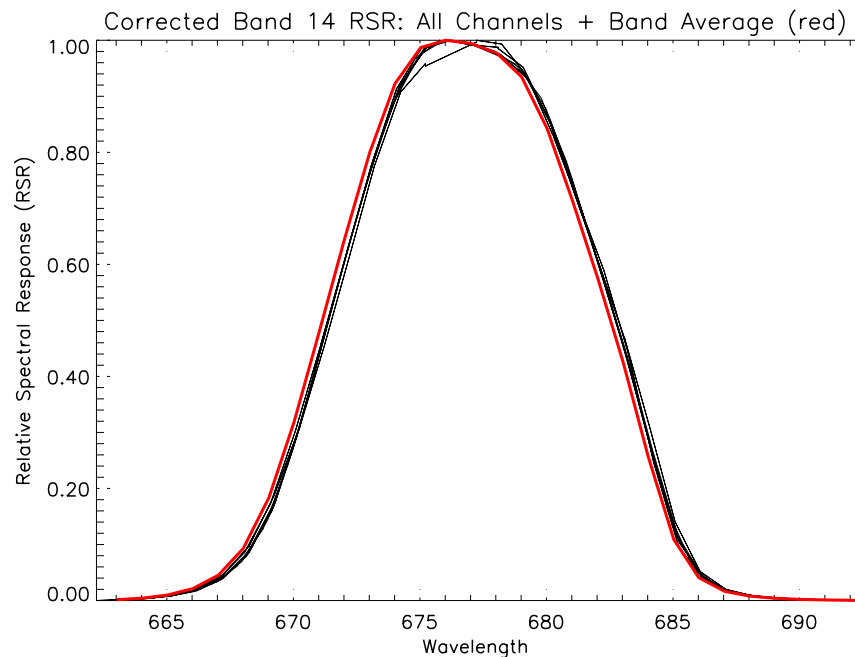


LINES: Dotted - $0.3L_{typ}$ & $0.9L_{max}$; Solid - L_{typ} & L_{sat} ; Dashdot - LSRCA; Dashed - SD Open & SD Screened.

Band 13H, all channels, sample 1, nominal 1 dataset

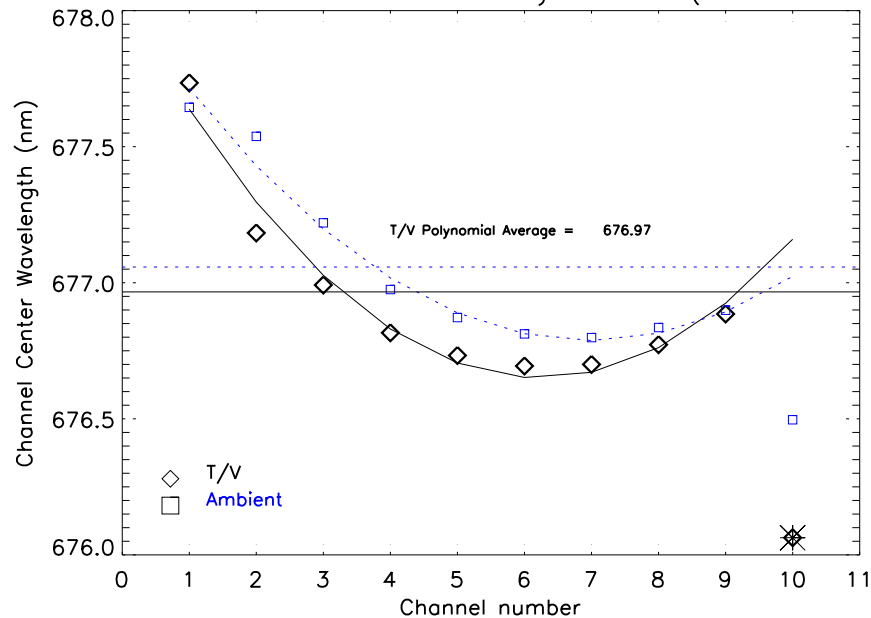


PFM Band 14 In-Band Relative Spectral Response (RSR) PC071:UAID 1574 (T/V w/Purge Measured)



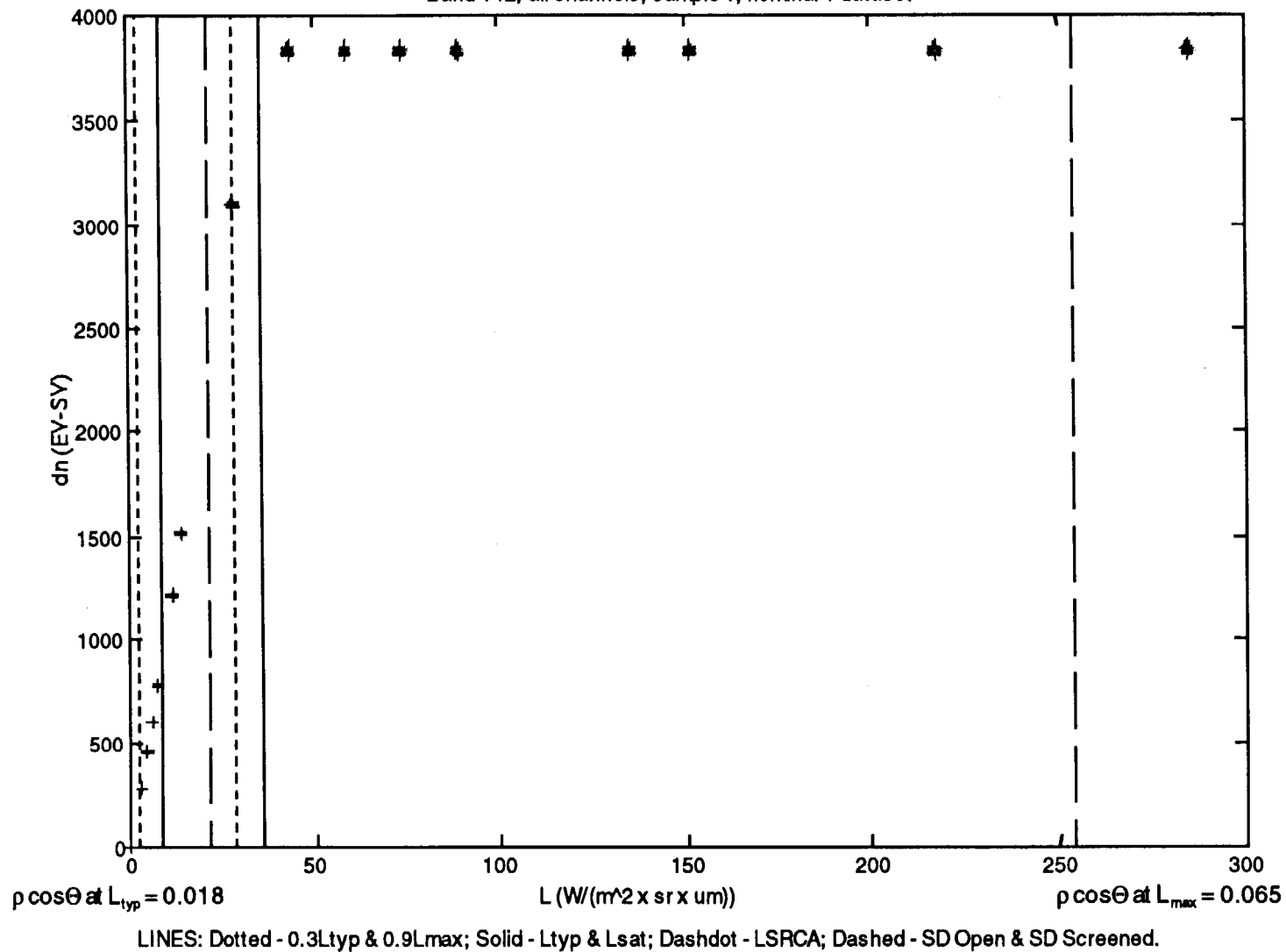
	nm	cm ⁻¹	Stdev(nm)
Center Wavelength (CWL)	676.73	14777.00	
Band Width (BW)	11.39	248.63	0.09
FWHM	11.09	248.55	0.10
Lower 50% Response	671.15	14899.90	0.45
Upper 50% Response	682.53	14651.36	0.51
Lower 1% Response	665.05	15036.53	0.44
Upper 1% Response	687.78	14539.47	0.36
SpMA Correction Ch5 =	0.23364		

Band 14 UAID 1574 CW_wtd by Channel (all inband data)

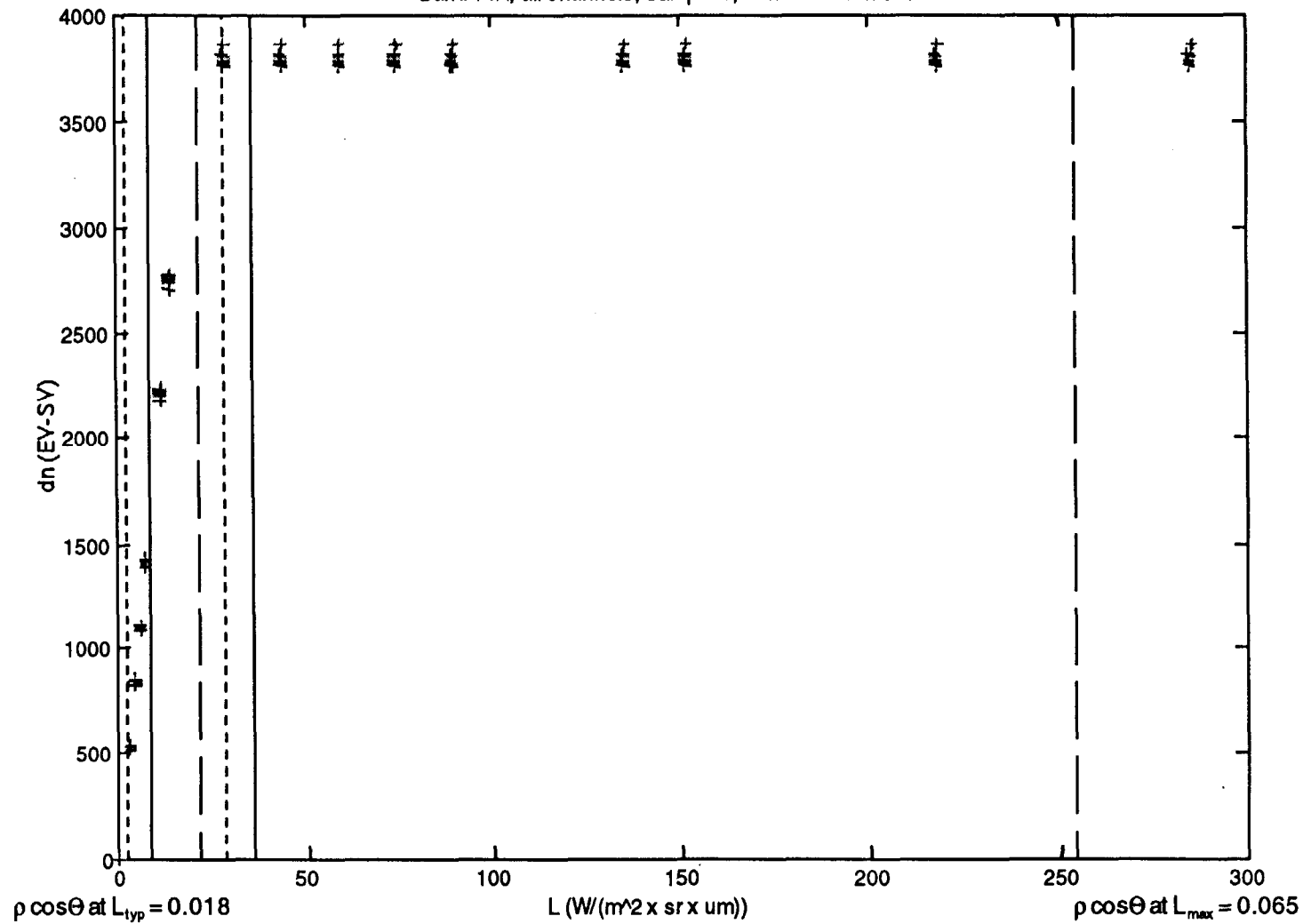


* represent CWL measurements not used to generate the fitted polynomial
 -- Average of Fitted Polynomial Points for each Channel

Band 14L, all channels, sample 1, nominal 1 dataset

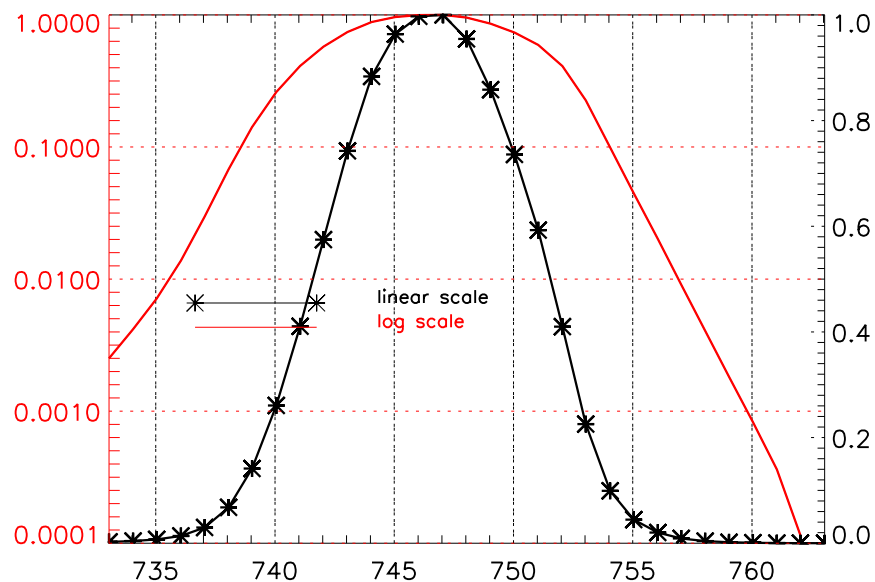
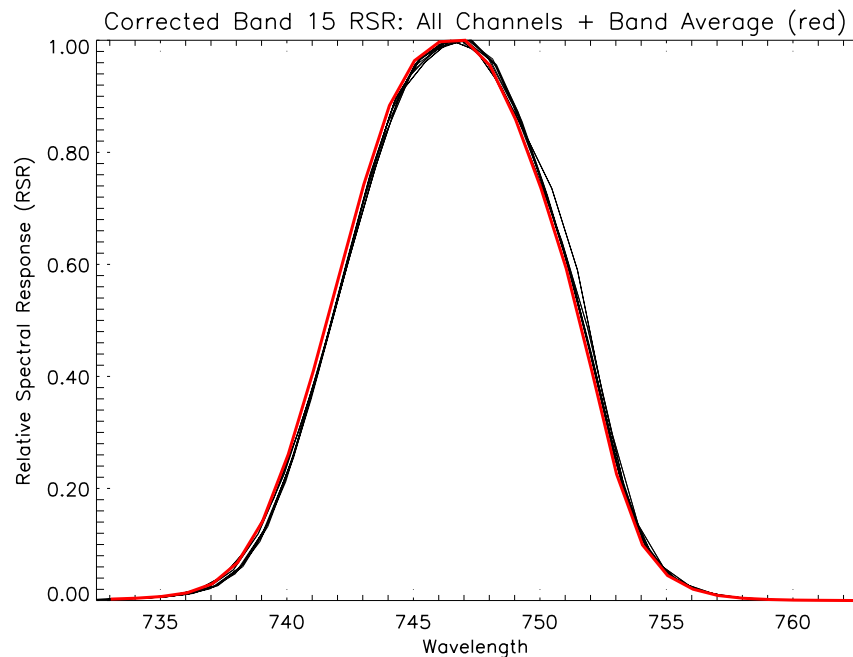


Band 14H, all channels, sample 1, nominal 1 dataset

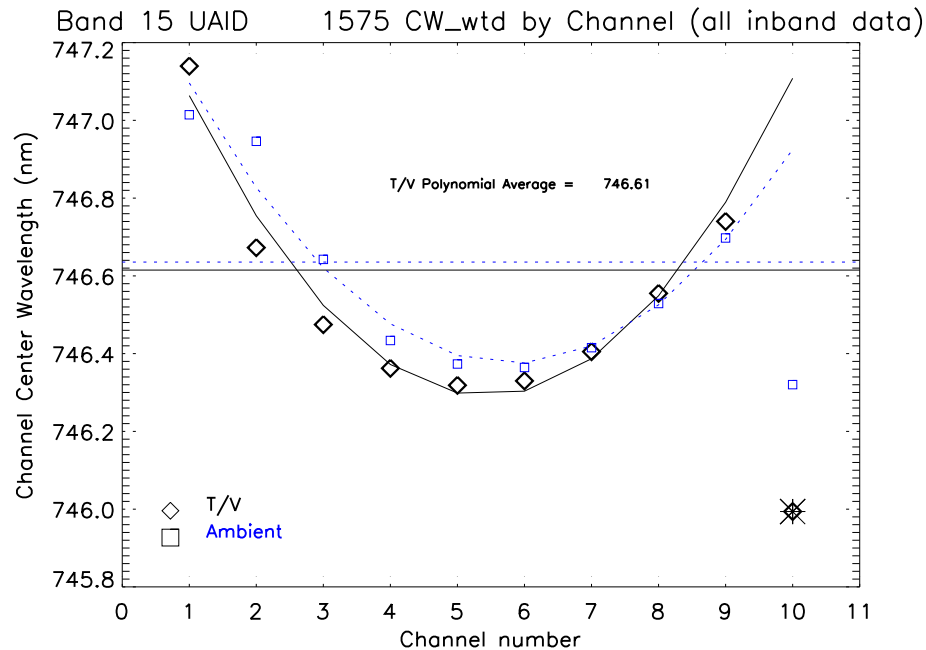


LINES: Dotted - $0.3L_{typ}$ & $0.9L_{max}$; Solid - L_{typ} & L_{sat} ; Dashdot - LSRCA; Dashed - SD Open & SD Screened.

PFM Band 15 In-Band Relative Spectral Response (RSR) PC071:UAID 1575 (T/V w/Purge Measured)

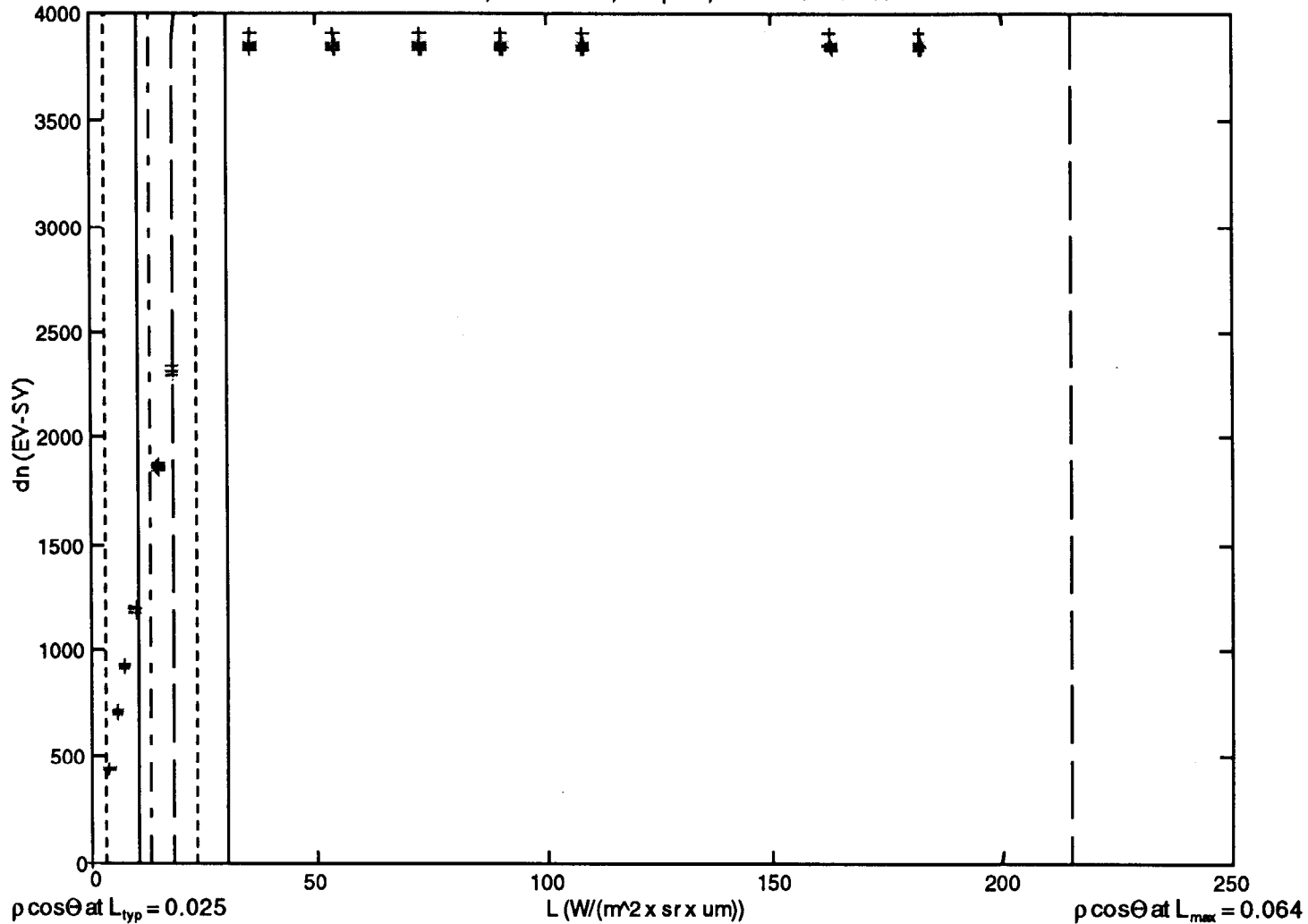


	nm	cm ⁻¹	Stdev(nm)
Center Wavelength (CWL)	746.45	13396.80	
Band Width (BW)	9.97	178.86	0.05
FWHM	9.89	178.80	0.07
Lower 50% Response	741.59	13484.63	0.34
Upper 50% Response	751.55	13305.83	0.39
Lower 1% Response	735.48	13596.64	0.22
Upper 1% Response	756.95	13210.92	0.29
SpMA Correction Ch5 =	0.29639		



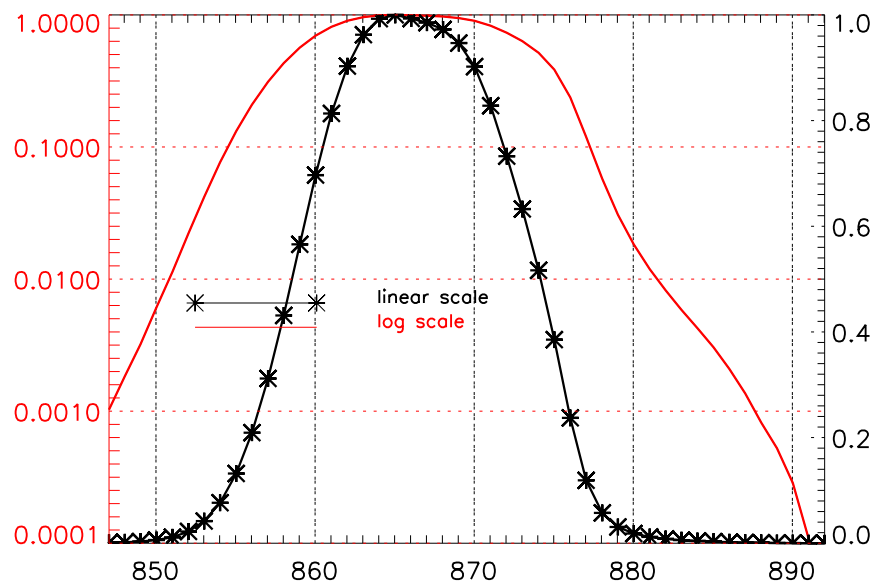
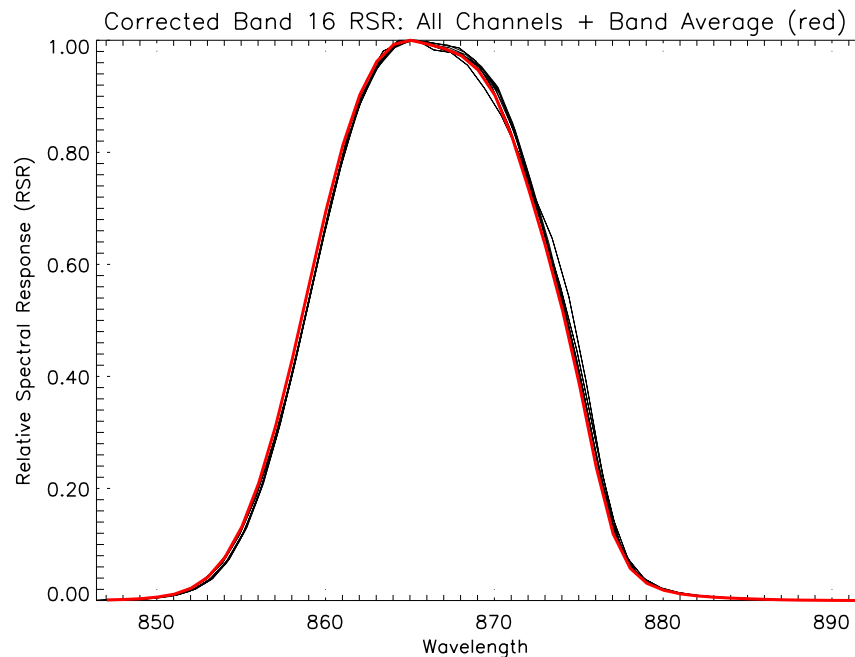
* represent CWL measurements not used to generate the fitted polynomial
 -- Average of Fitted Polynomial Points for each Channel

Band 15, all channels, sample 1, nominal 1 dataset



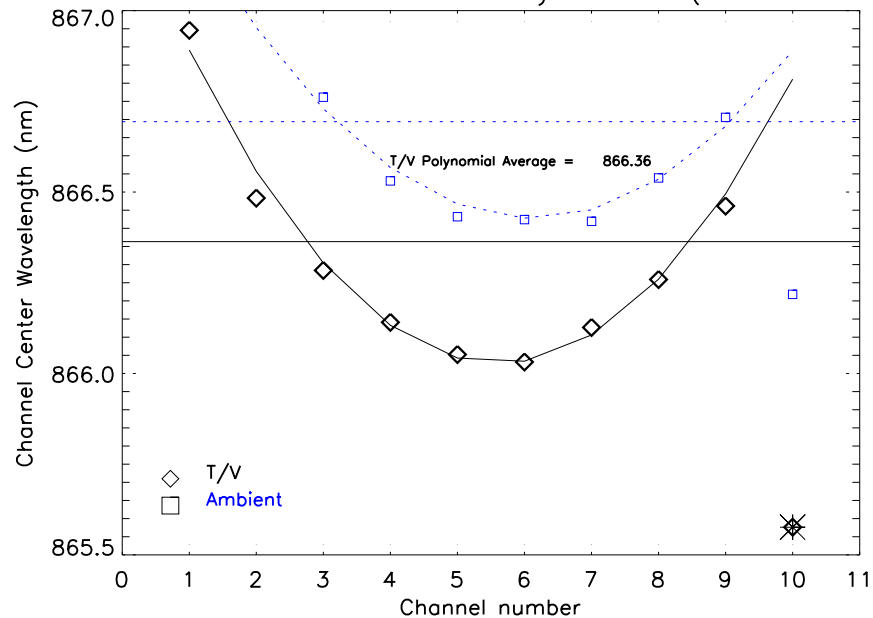
LINES: Dotted - $0.3L_{typ}$ & $0.9L_{max}$; Solid - L_{typ} & L_{sat} ; Dashdot - LSRCA; Dashed - SD Open & SD Screened.

PFM Band 16 In-Band Relative Spectral Response (RSR) PC071:UAID 1577 (T/V w/Purge Measured)



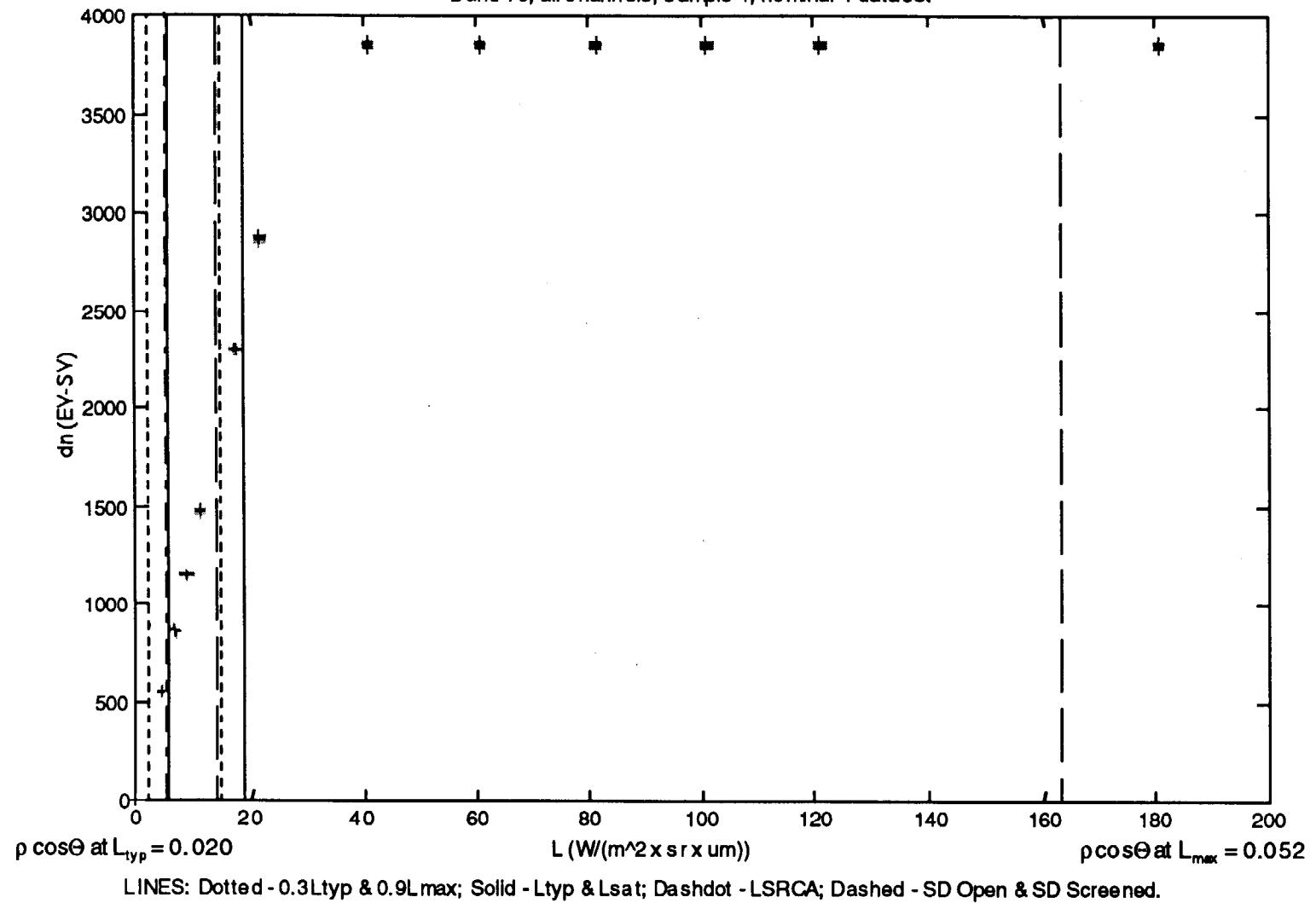
	nm	cm ⁻¹	Stdev(nm)
Center Wavelength (CWL)	866.17	11545.14	
Band Width (BW)	15.63	208.31	0.07
FWHM	15.25	208.21	0.17
Lower 50% Response	858.55	11647.60	0.35
Upper 50% Response	874.17	11439.38	0.52
Lower 1% Response	850.78	11753.97	0.35
Upper 1% Response	881.55	11343.68	0.25
SpMA Correction Ch5 =	0.31097		

Band 16 UAID 1577 CW_wtd by Channel (all inband data)

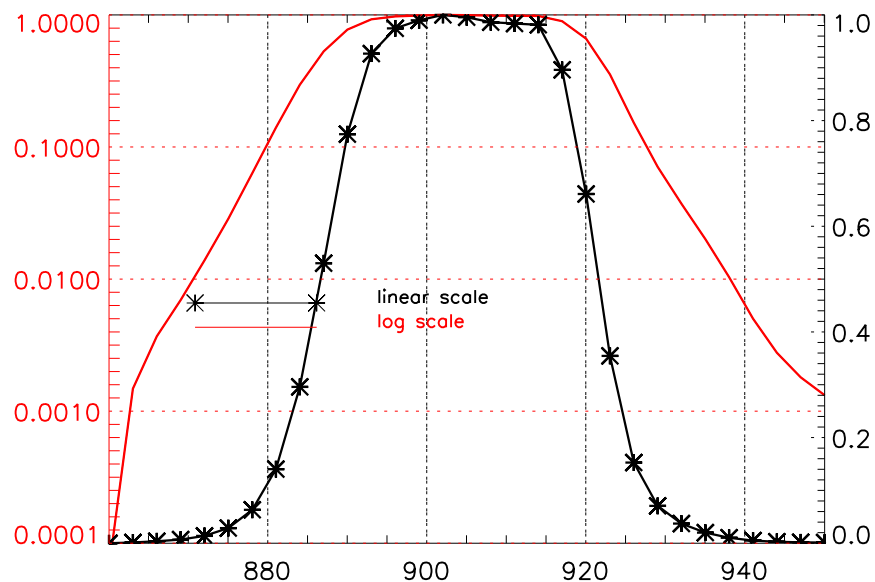
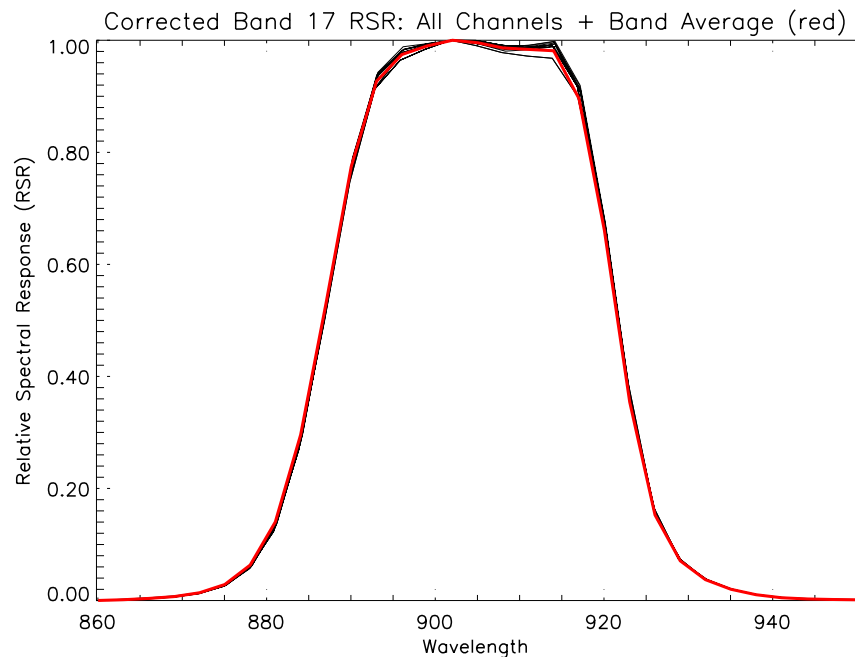


* represent CWL measurements not used to generate the fitted polynomial
 -- Average of Fitted Polynomial Points for each Channel

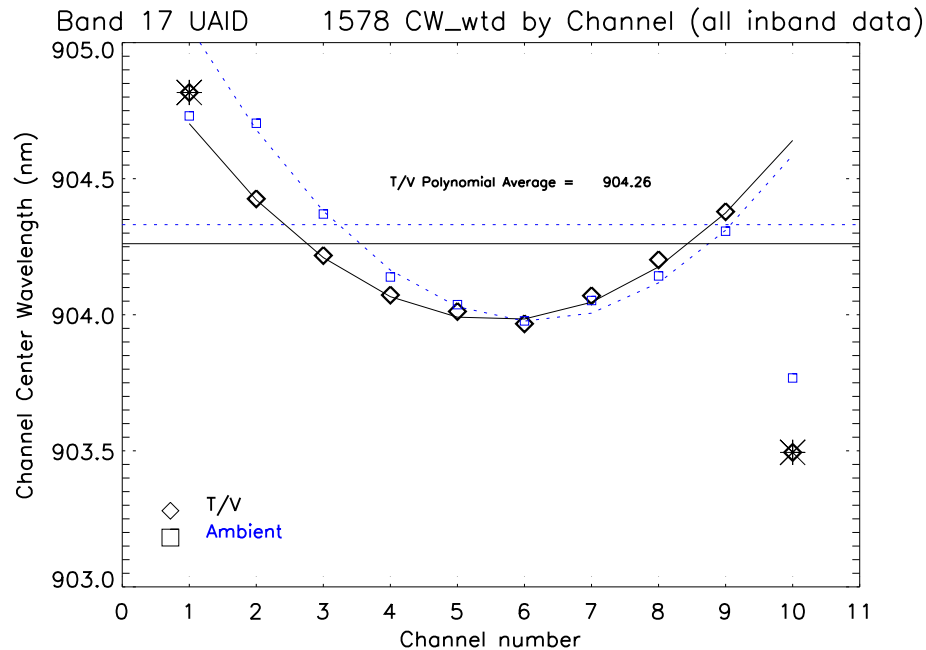
Band 16, all channels, sample 1, nominal 1 dataset



PFM Band 17 In-Band Relative Spectral Response (RSR) PC071:UAID 1578 (T/V w/Purge Measured)

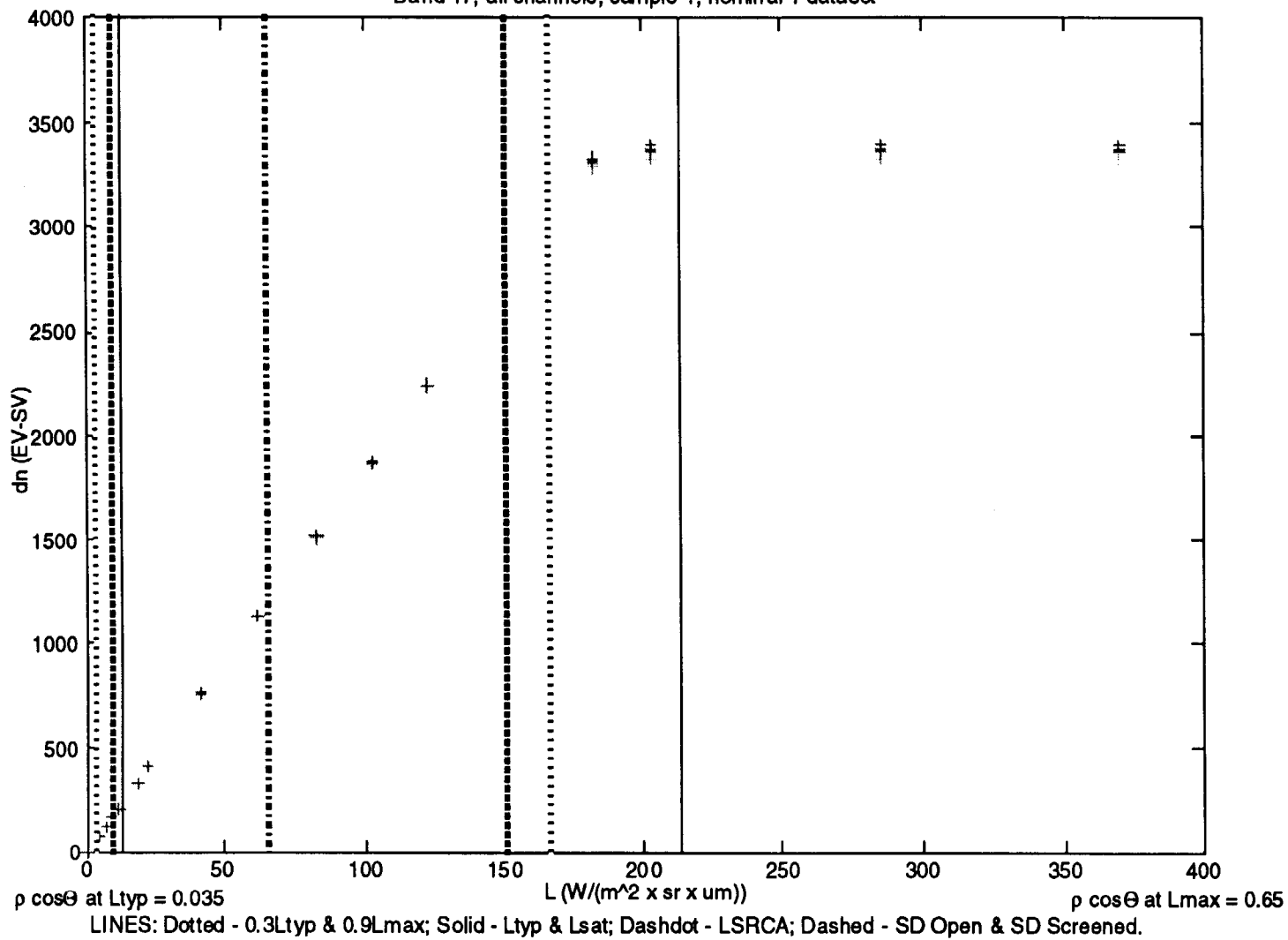


	nm	cm ⁻¹	Stdev(nm)
Center Wavelength (CWL)	904.11	11060.60	
Band Width (BW)	34.97	427.95	0.59
FWHM	34.12	427.92	0.28
Lower 50% Response	886.65	11278.39	0.33
Upper 50% Response	921.62	10850.47	0.41
Lower 1% Response	870.37	11489.32	0.53
Upper 1% Response	938.22	10658.44	0.54
SpMA Correction Ch5 =	0.24902		

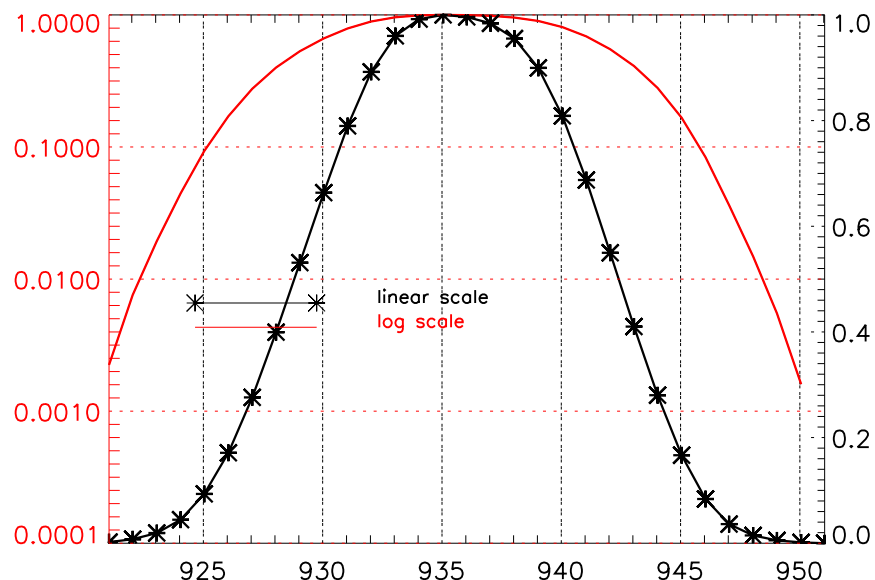
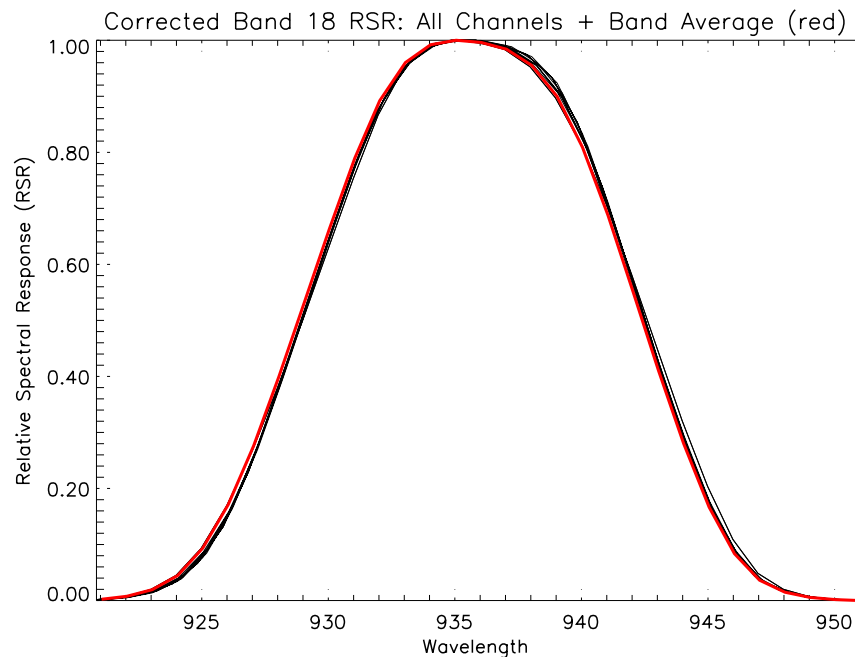


* represent CWL measurements not used to generate the fitted polynomial
-- Average of Fitted Polynomial Points for each Channel

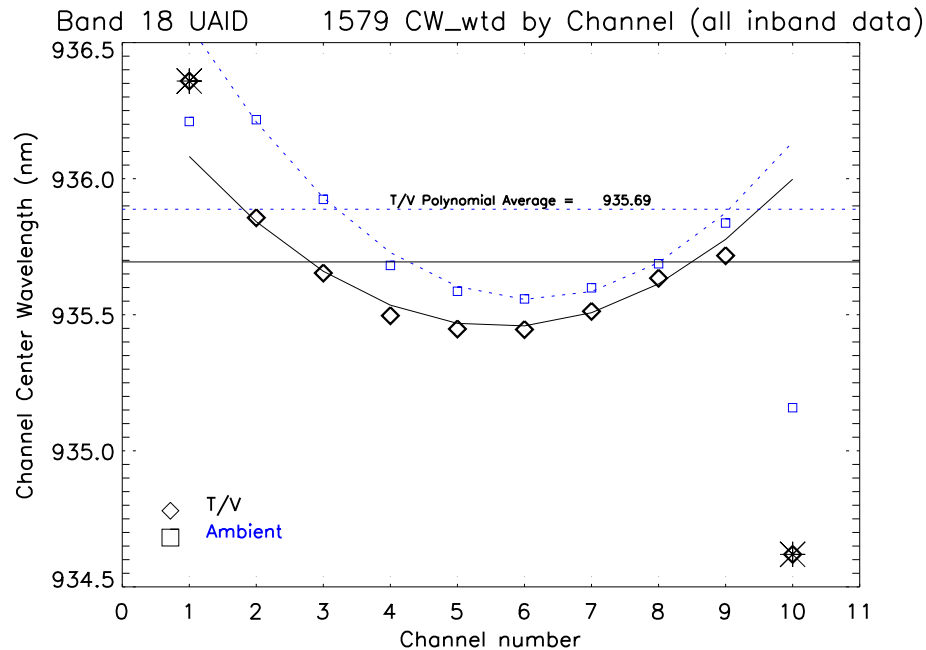
Band 17, all channels, sample 1, nominal 1 dataset



PFM Band 18 In-Band Relative Spectral Response (RSR) PC071:UAID 1579 (T/V w/Purge Measured)

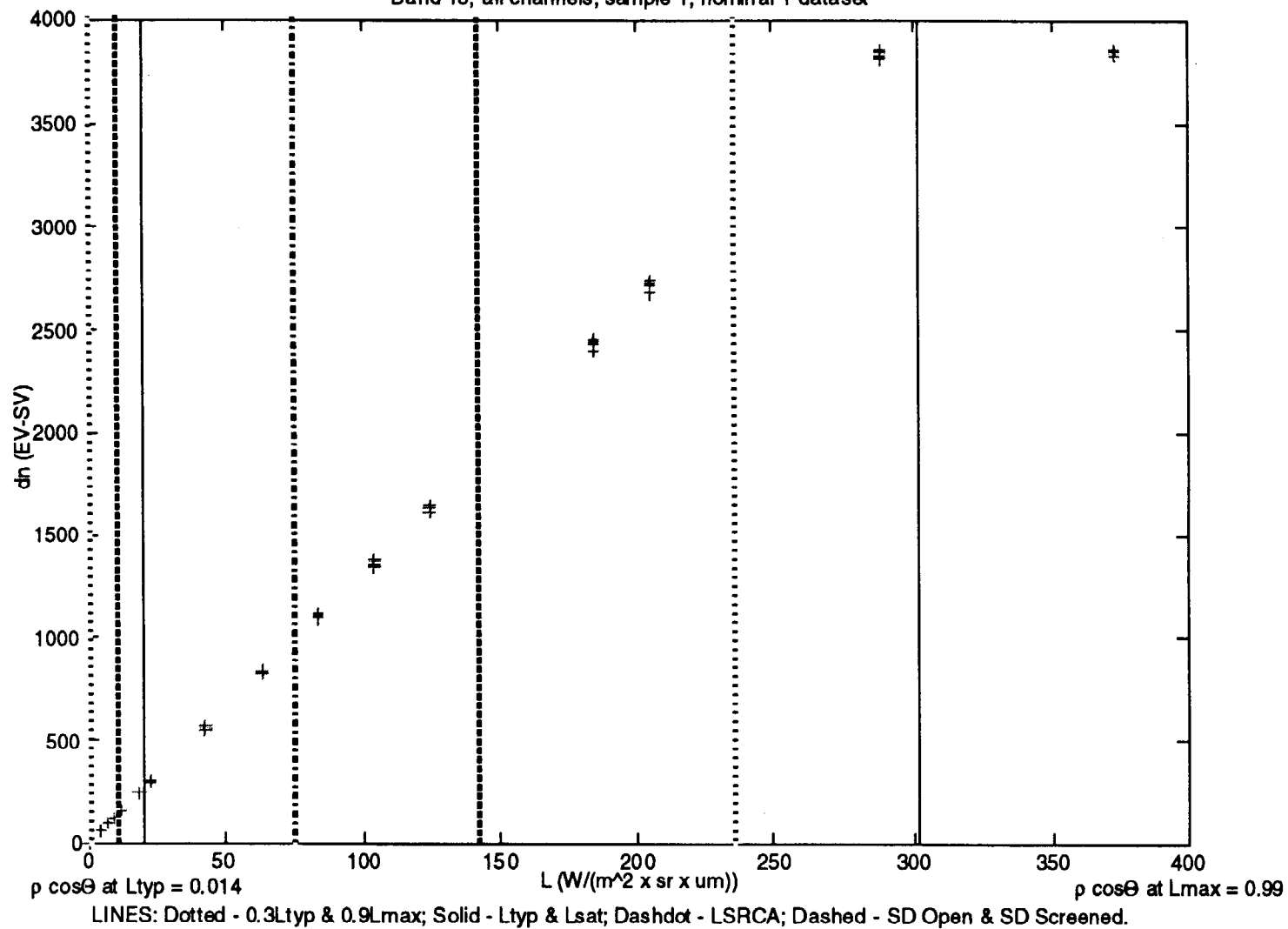


	nm	cm ⁻¹	Stdev(nm)
Center Wavelength (CWL)	935.55	10688.85	
Band Width (BW)	13.59	155.32	0.10
FWHM	13.36	155.31	0.09
Lower 50% Response	928.81	10766.45	0.44
Upper 50% Response	942.41	10611.15	0.52
Lower 1% Response	922.24	10843.11	0.38
Upper 1% Response	948.56	10542.33	0.28
SpMA Correction Ch5 =	0.24640		

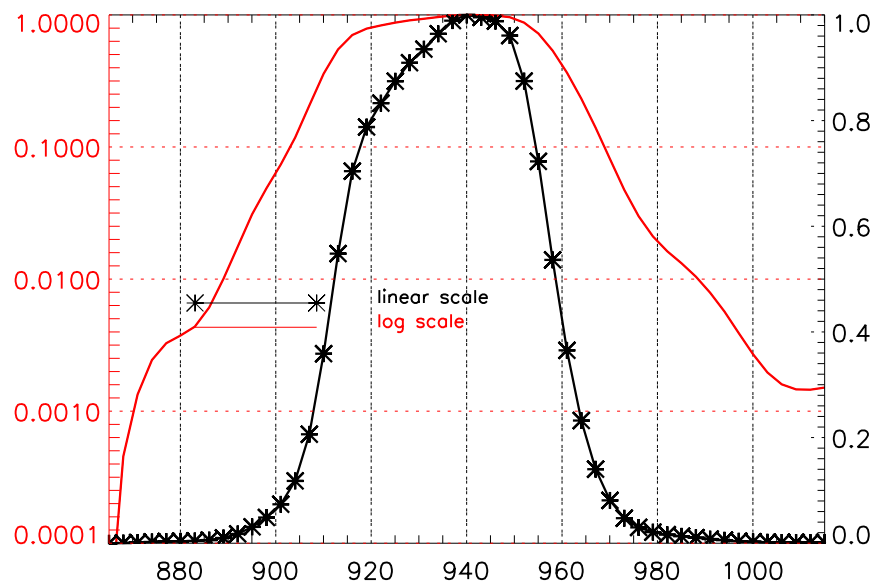
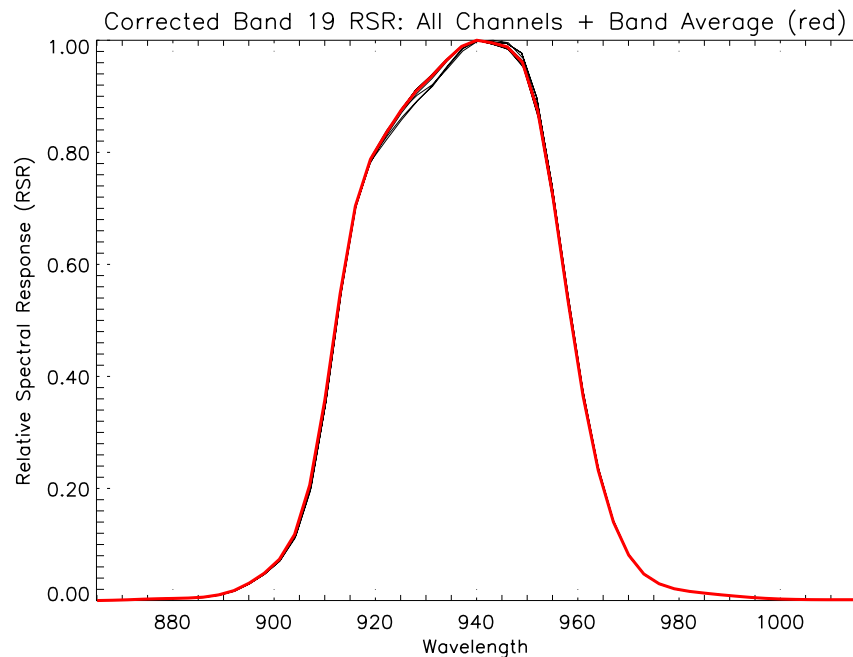


* represent CWL measurements not used to generate the fitted polynomial
-- Average of Fitted Polynomial Points for each Channel

Band 18, all channels, sample 1, nominal 1 dataset

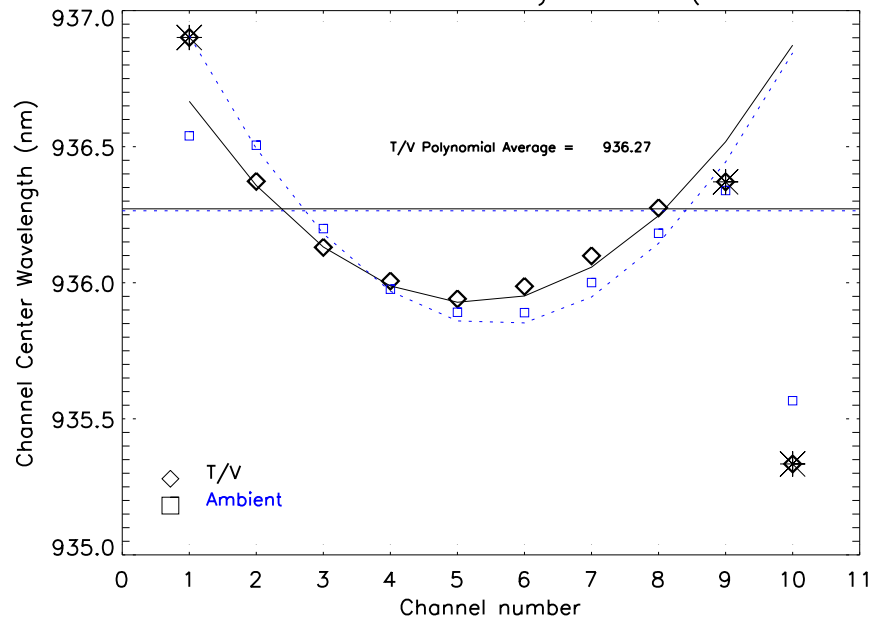


PFM Band 19 In-Band Relative Spectral Response (RSR) PC071:UAID 1580 (T/V w/Purge Measured)



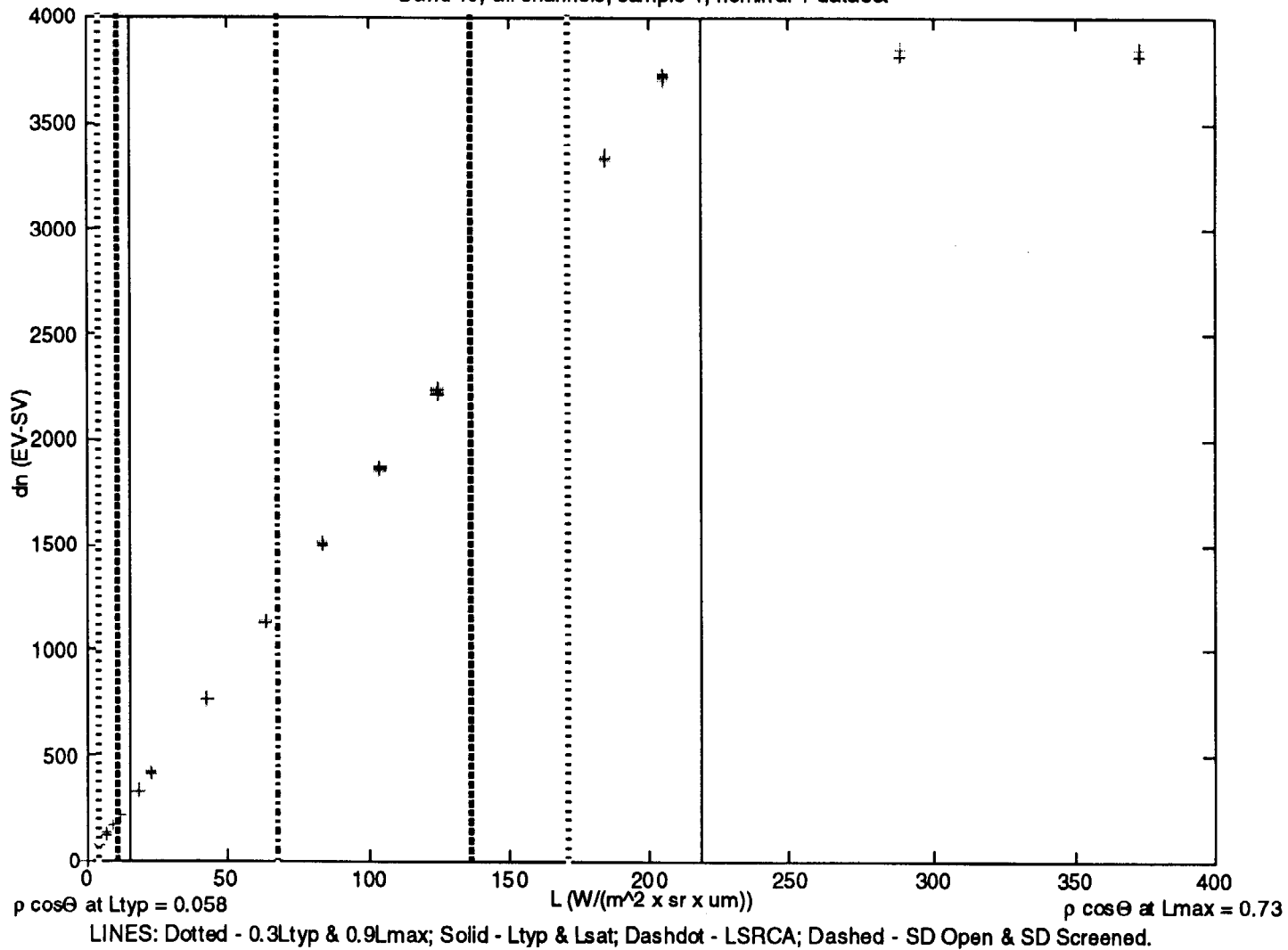
	nm	cm ⁻¹	Stdev(nm)
Center Wavelength (CWL)	936.15	10682.10	
Band Width (BW)	46.39	529.71	0.44
FWHM	45.90	530.46	0.25
Lower 50% Response	912.28	10961.50	0.31
Upper 50% Response	958.68	10431.03	0.54
Lower 1% Response	889.00	11248.61	0.38
Upper 1% Response	988.55	10115.79	0.94
SpMA Correction Ch5 =	0.33087		

Band 19 UAID 1580 CW_wtd by Channel (all inband data)

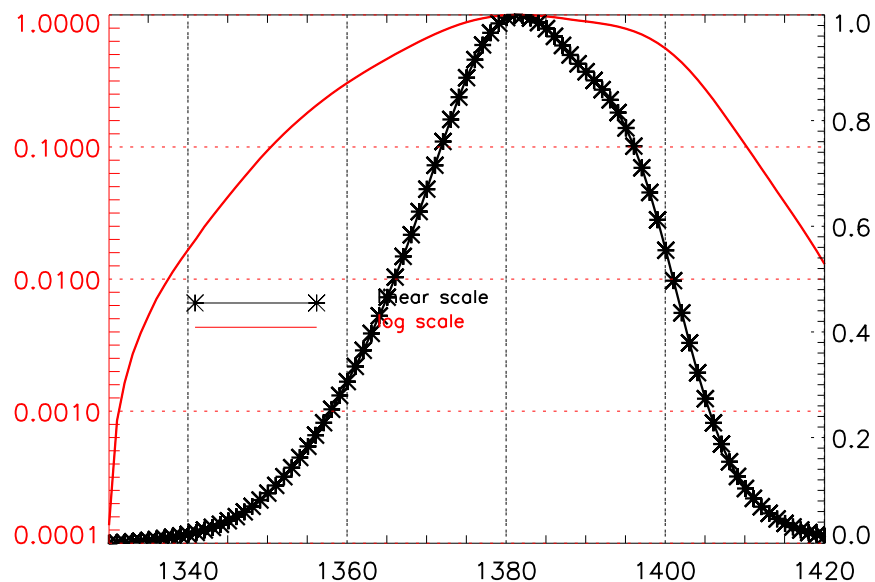
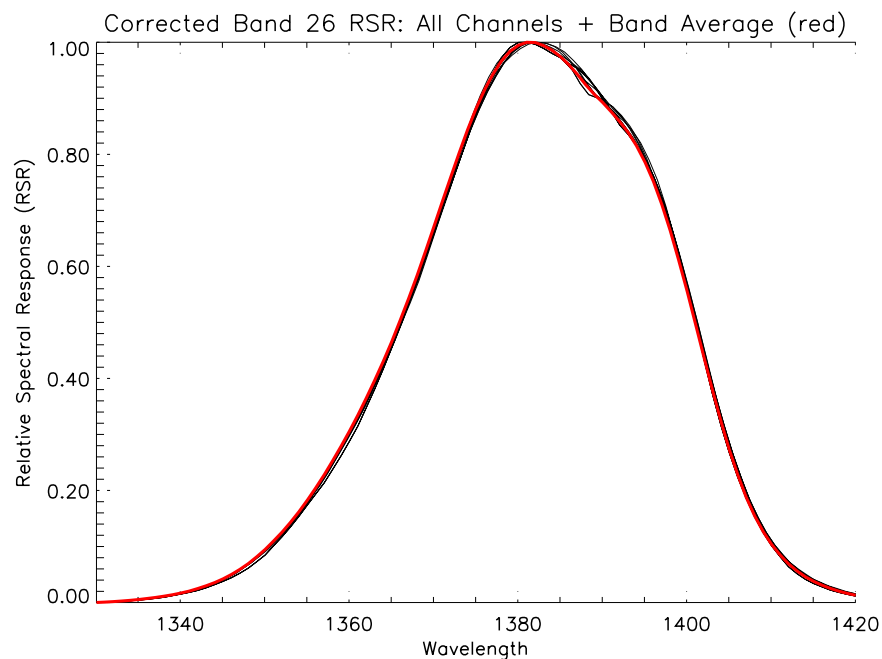


* represent CWL measurements not used to generate the fitted polynomial
 -- Average of Fitted Polynomial Points for each Channel

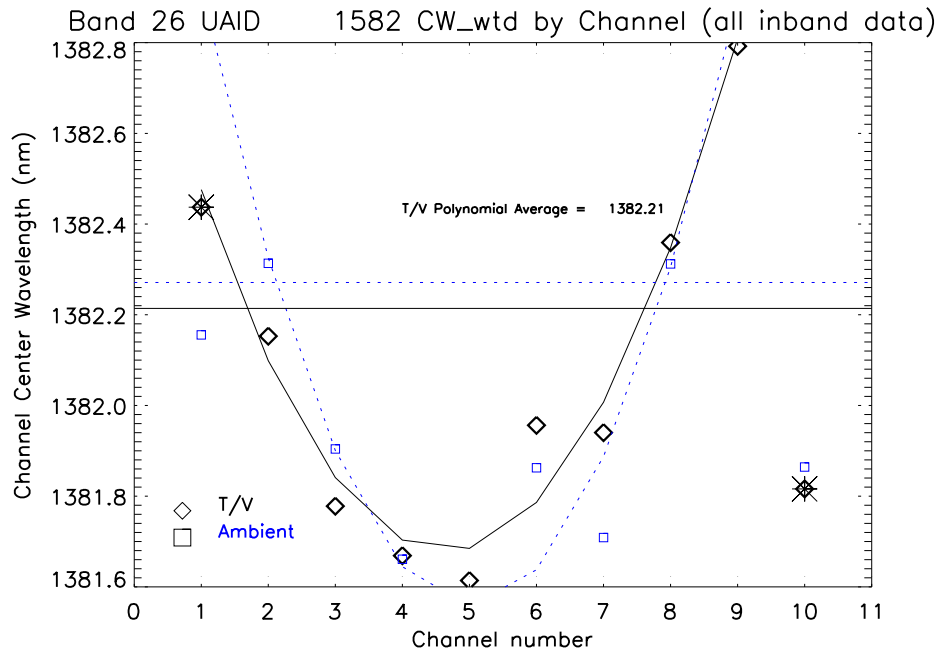
Band 19, all channels, sample 1, nominal 1 dataset



PFM Band 26 In-Band Relative Spectral Response (RSR) PC071:UAID 1582 (T/V w/Purge Measured)



	nm	cm ⁻¹	Stdev(nm)
Center Wavelength (CWL)	1382.01	7235.85	
Band Width (BW)	35.04	183.51	0.19
FWHM	34.55	183.12	0.23
Lower 50% Response	1365.96	7320.85	0.40
Upper 50% Response	1401.01	7137.73	0.44
Lower 1% Response	1337.50	7476.63	0.43
Upper 1% Response	1420.04	7042.05	0.26
SpMA Correction Ch5 =	0.59998		



* represent CWL measurements not used to generate the fitted polynomial
 -- Average of Fitted Polynomial Points for each Channel

Band 26, all channels, sample 1, nominal 1 dataset

