

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12063 - L2 Version 2
Chandra X-Ray Center

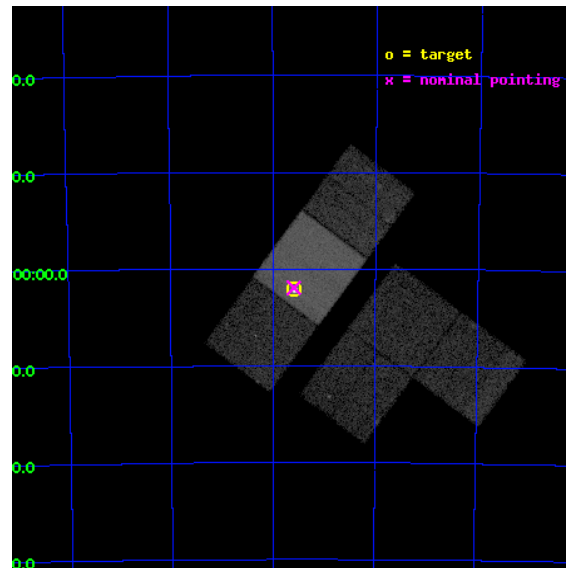
L2 Processing Date : Jun 20 2012

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1 Front

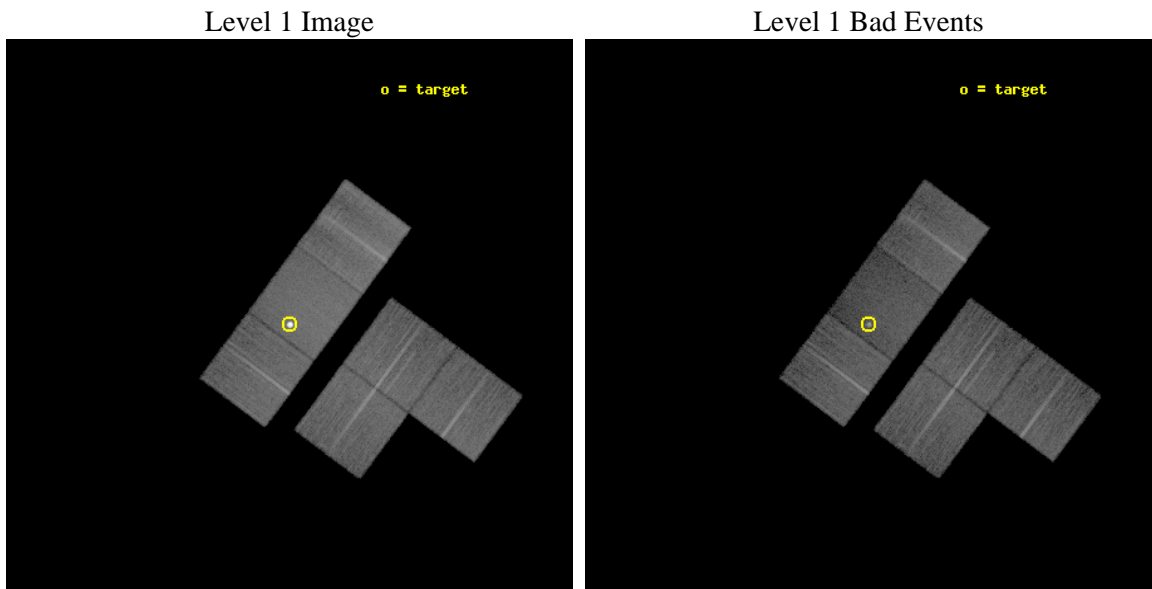
seq_num	501326	Sequence number
obs_id	12063	Observation id
title	The Proper Motion of SNR E0519-69.0	Proposal title
observer	Prof. John Hughes	Principal investigator
object	SNR E0519-69.0	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	79.895417	Observer's specified target RA [deg]
dec_targ	-69.035278	Observer's specified target Dec [deg]
ra_nom	79.898277087392	Nominal RA [deg]
dec_nom	-69.032377717138	Nominal Dec [deg]
roll_nom	306.50999565161	Nominal Roll [deg]
revision	2	Processing version of data
ontime	14940.676943421	Sum of GTIs [s]
livetime	14751.489095768	Livetime [s]
ontime1	14947.158974111	Sum of GTIs [s]
ontime2	14947.159033656	Sum of GTIs [s]
ontime3	14950.399944365	Sum of GTIs [s]
ontime6	14950.399944365	Sum of GTIs [s]
ontime7	14940.676943421	Sum of GTIs [s]
ontime8	14950.399944365	Sum of GTIs [s]
l2events	185648	Number of level 2 events



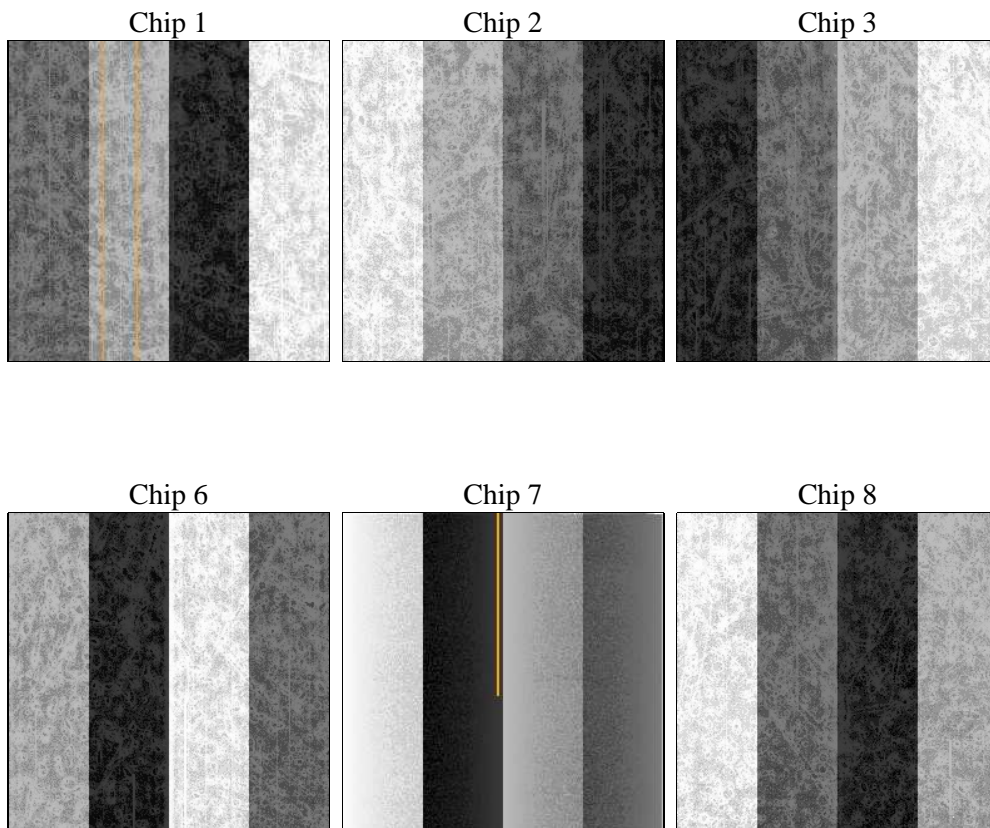
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	14940.676943421	Sum of GTIs [s]
caldsver	4.4.10	 	ontime1	14947.158974111	Sum of GTIs [s]
date	2012-06-21T00:40:48	Date and time of file creation	ontime2	14947.159033656	Sum of GTIs [s]
revision	2	Processing version of data	ontime3	14950.399944365	Sum of GTIs [s]
			ontime6	14950.399944365	Sum of GTIs [s]
			ontime7	14940.676943421	Sum of GTIs [s]
			ontime8	14950.399944365	Sum of GTIs [s]
			l1events	860749	Number of level 1 events

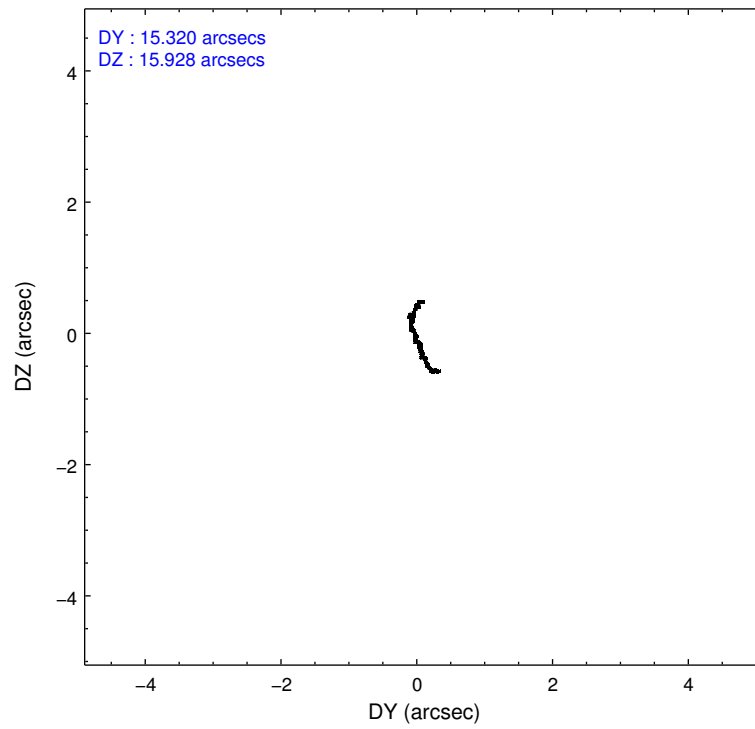
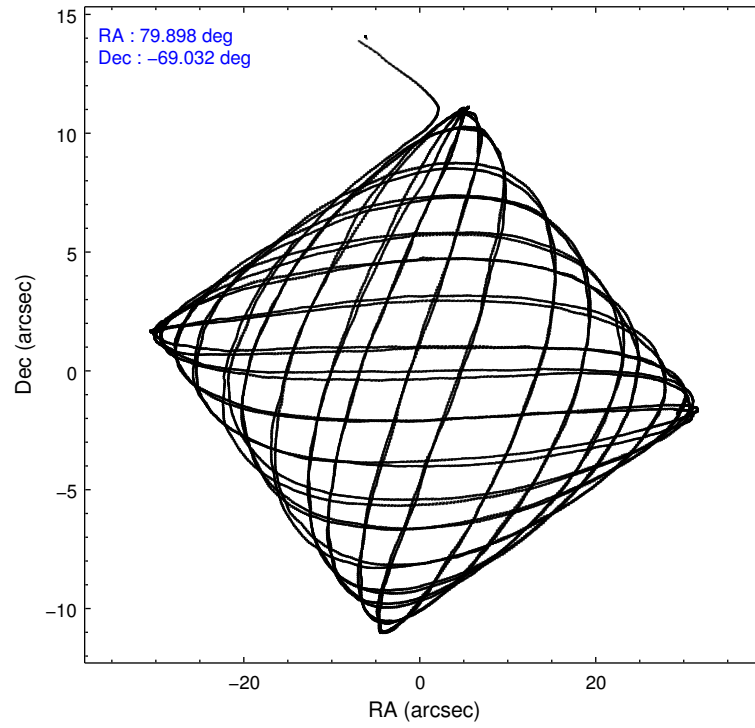
2.1.4 Events

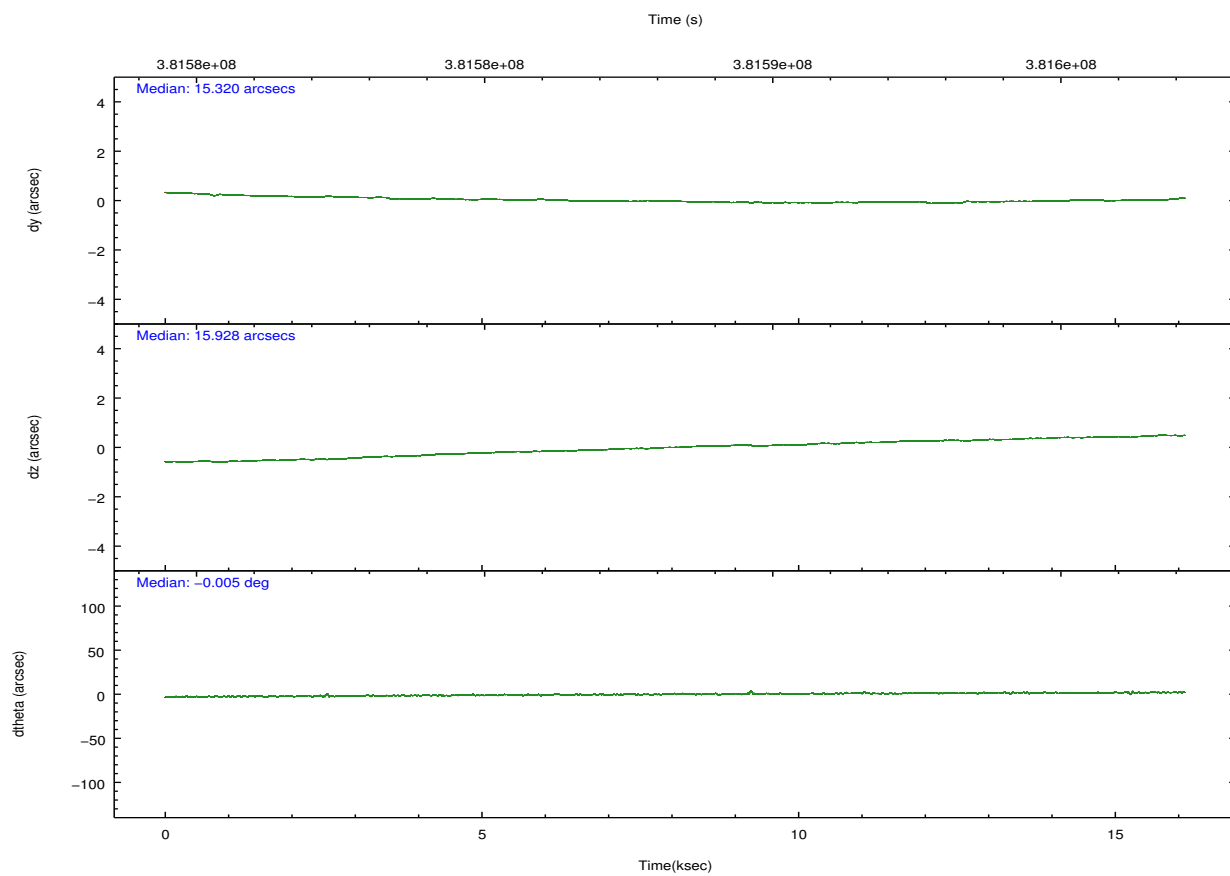
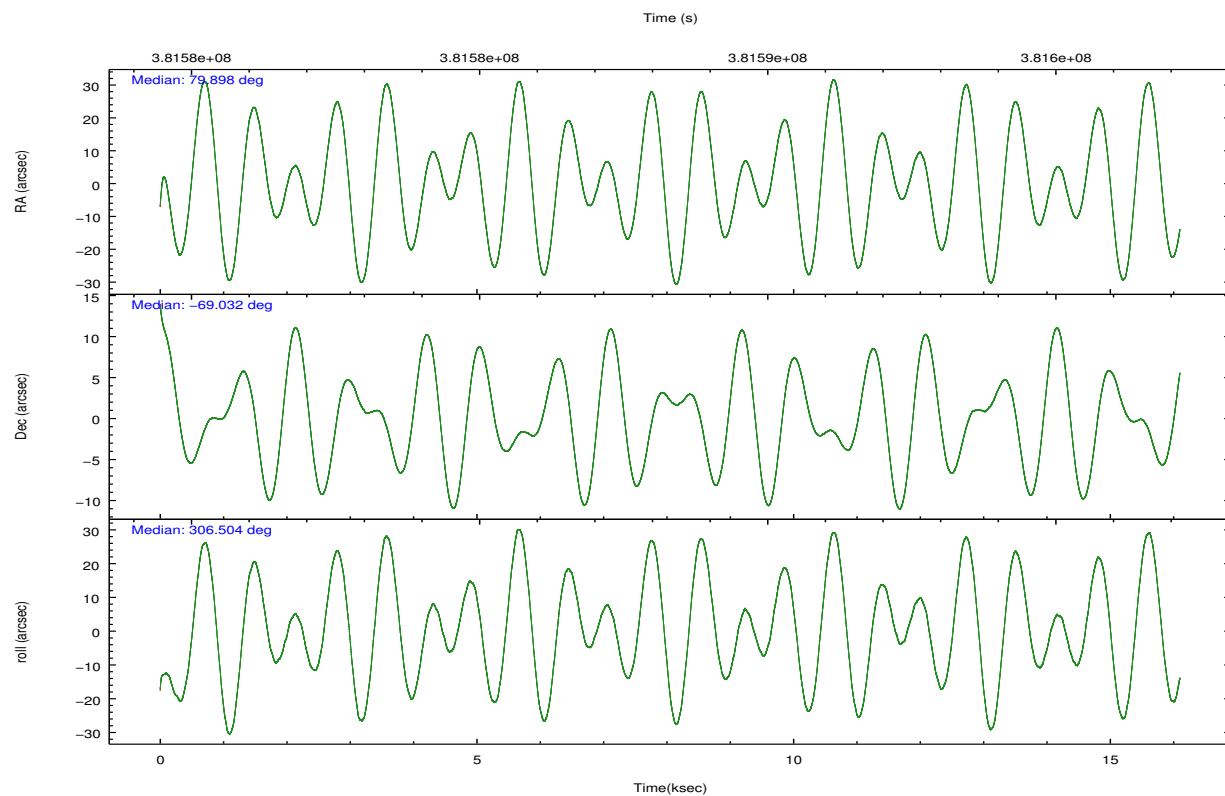
	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8		ccd 1	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	120427	124679	120765	126625	205364	162889	grade 0 events	5753	5310	4524	5738	23826	13189
rejected events	105000	111310	108448	112137	80417	120859		4%	4%	3%	4%	11%	8%
rejected %	87%	89%	89%	88%	39%	74%	grade 1 events	80	70	75	81	456	146
								0%	0%	0%	0%	0%	0%
							grade 2 events	3593	3045	2649	3034	30094	9652
								2%	2%	2%	2%	14%	5%
							grade 3 events	1557	1341	1391	1408	13236	4309
								1%	1%	1%	1%	6%	2%
							grade 4 events	1520	1311	1307	1379	12629	4055
								1%	1%	1%	1%	6%	2%
							grade 5 events	5055	4502	5223	5303	16079	7724
								4%	3%	4%	4%	7%	4%
							grade 6 events	3014	2366	2452	2935	45210	10853
								2%	1%	2%	2%	22%	6%
							grade 7 events	99855	106734	103144	106747	63834	112961
								82%	85%	85%	84%	31%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-123678	ACIS-123678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	O2	Y
[deg] Pointing RA	79.827890	79.89827708739242	CCD I2 on	Y	Y
[deg] Pointing Dec	-69.021808	-69.03237771713786	CCD I3 on	Y	Y
[deg] Pointing Roll	306.287643	306.509995651607	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O1	Y
[s] Observation start time (MET)	381581355.184000	381579387.97037	CCD S5 on	N	N
Observation start date	2010-02-03T10:48:09	2010-02-03T10:16:27	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	381596355.184000	381596939.04626	On-chip summing requested	N	N
Observation end date	2010-02-03T14:58:09	2010-02-03T15:08:59	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



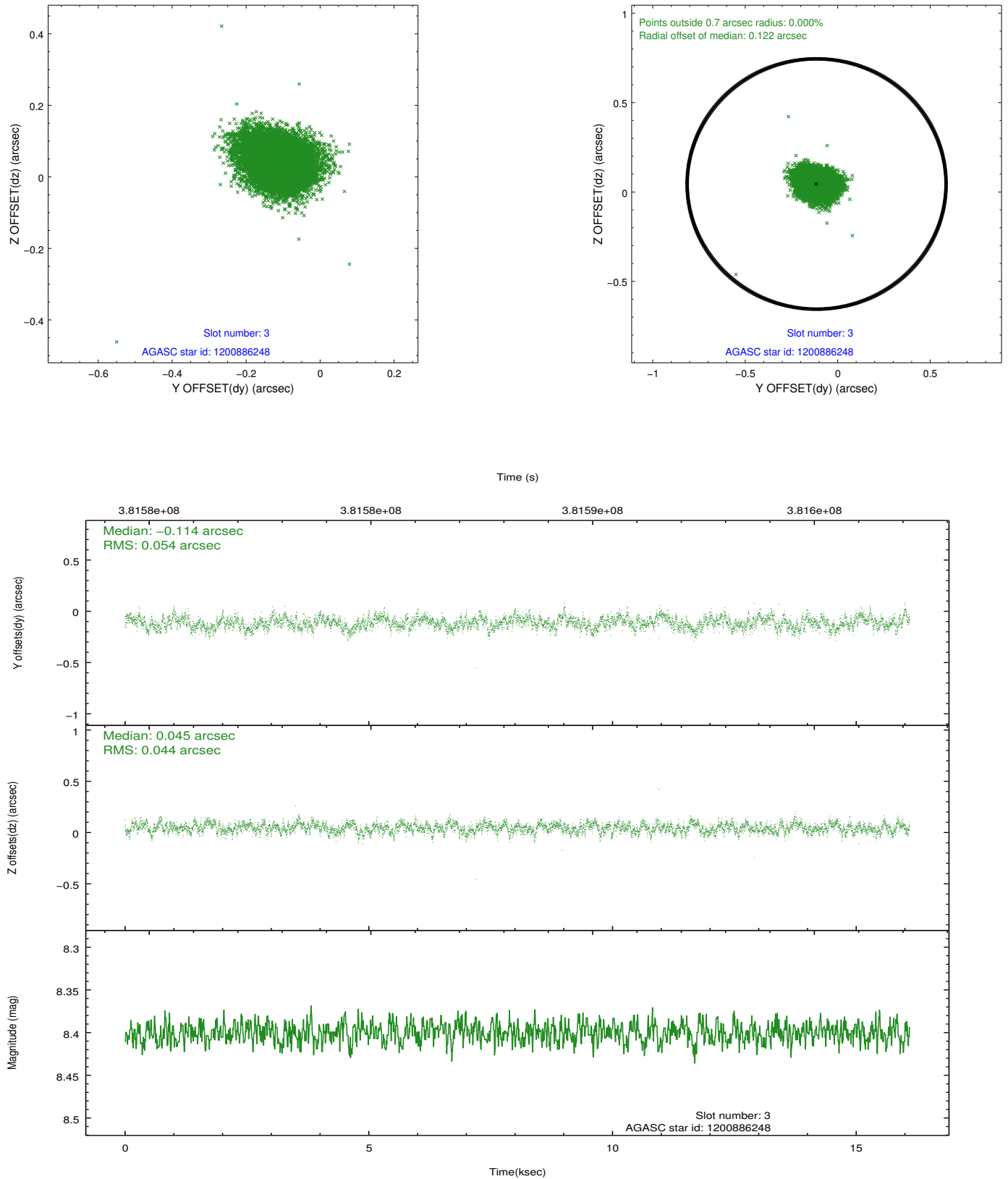


Slot Statistics

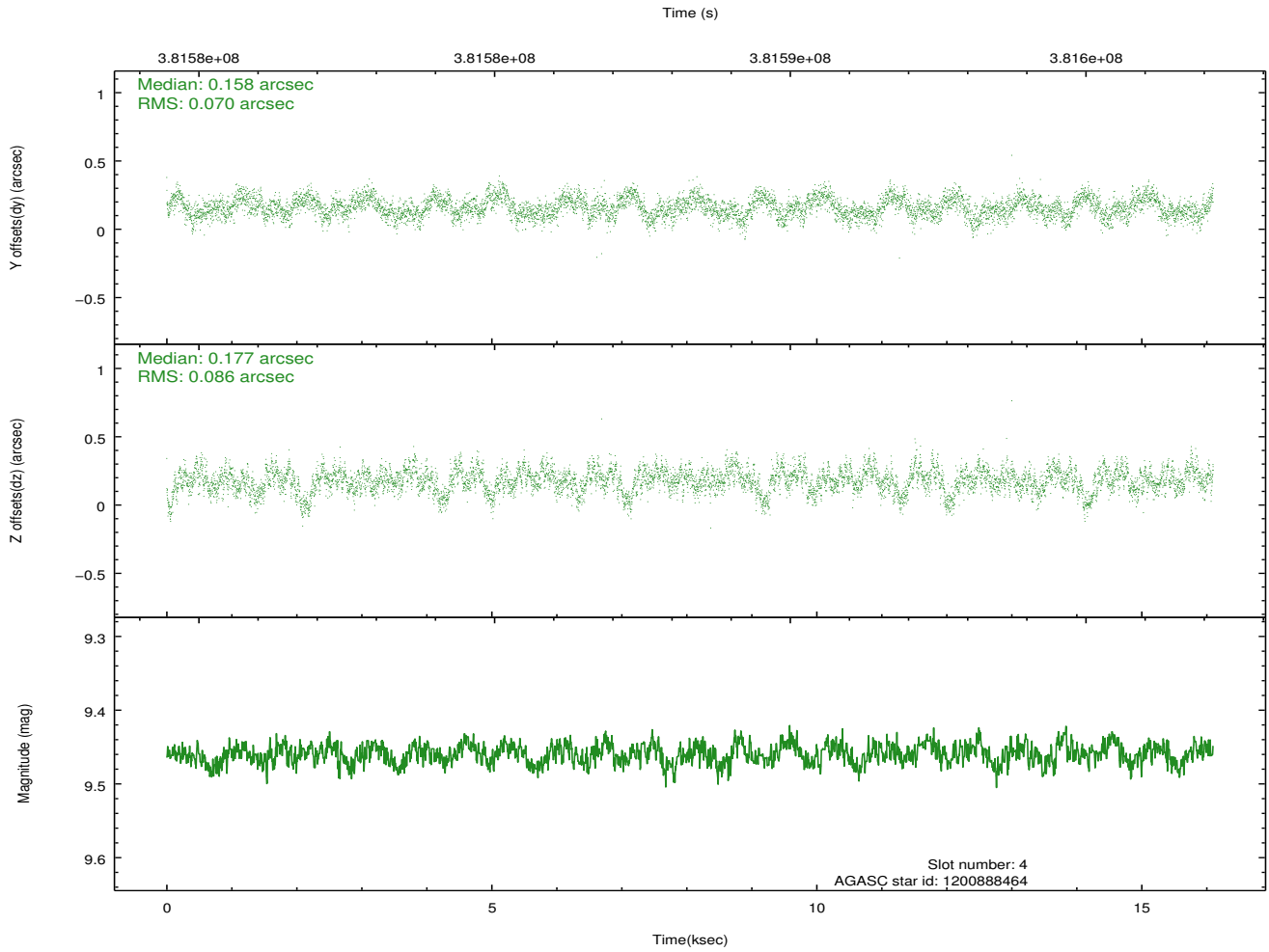
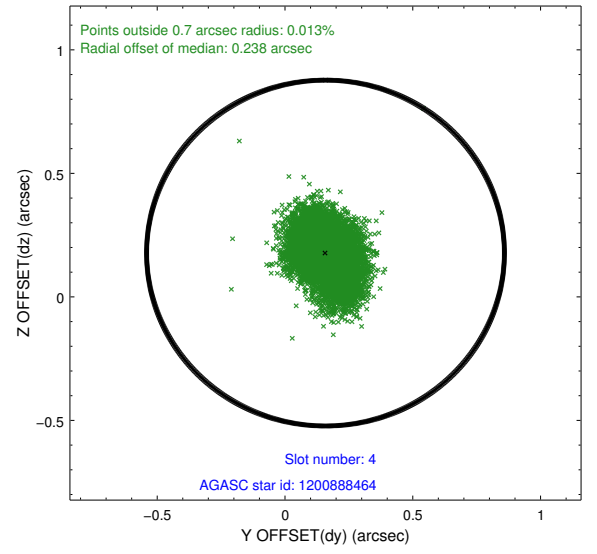
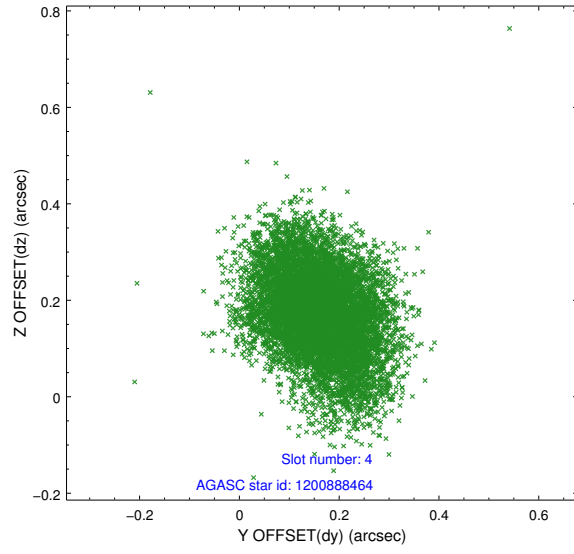
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.00	3928	0.063	-0.066	0.017	0.025	0.000000	0.000000	927.77	-1732.99
1	FID	ACIS-S-5	7.05	3928	-0.127	0.032	0.011	0.017	0.000000	0.000000	-1821.26	164.38
2	FID	ACIS-S-6	7.16	3928	0.042	0.045	0.010	0.016	0.000000	0.000000	393.01	808.66
3	GUIDE	1200886248	8.40	7852	-0.114	0.045	0.074	0.119	79.513576	-68.465750	-1858.45	849.58
4	GUIDE	1200888464	9.46	7846	0.158	0.177	0.117	0.194	78.430687	-69.005633	-1096.53	-1429.62
5	GUIDE	1200888648	9.51	7842	-0.190	-0.028	0.116	0.188	80.690258	-68.830099	113.40	1307.65
6	GUIDE	1200888680	9.03	7849	0.052	-0.060	0.089	0.141	80.258220	-68.354217	-1597.27	1882.18
7	GUIDE	1201409312	9.25	7835	0.096	-0.134	0.109	0.178	80.915231	-69.503059	2217.45	72.95

2.4 Star Slots

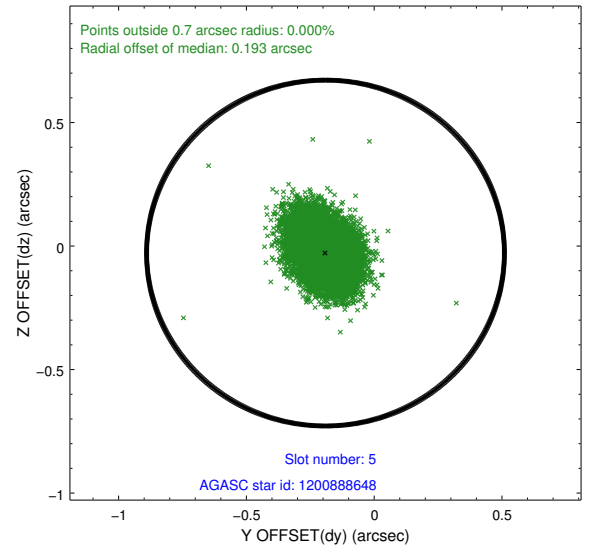
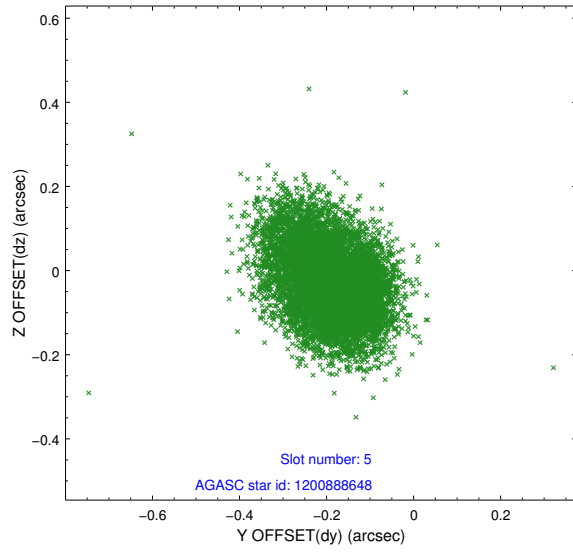
2.4.1 Slot 3



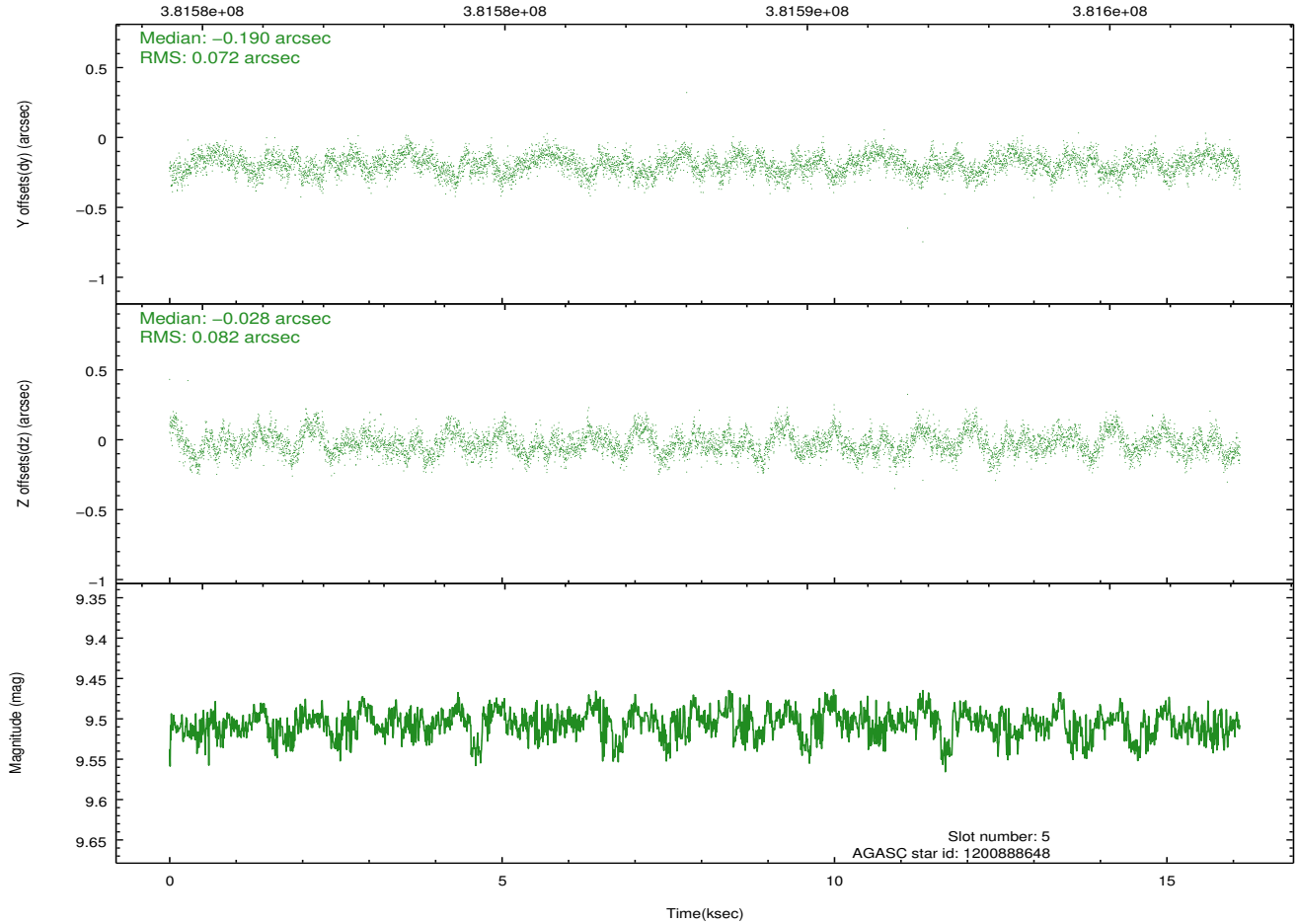
2.4.2 Slot 4



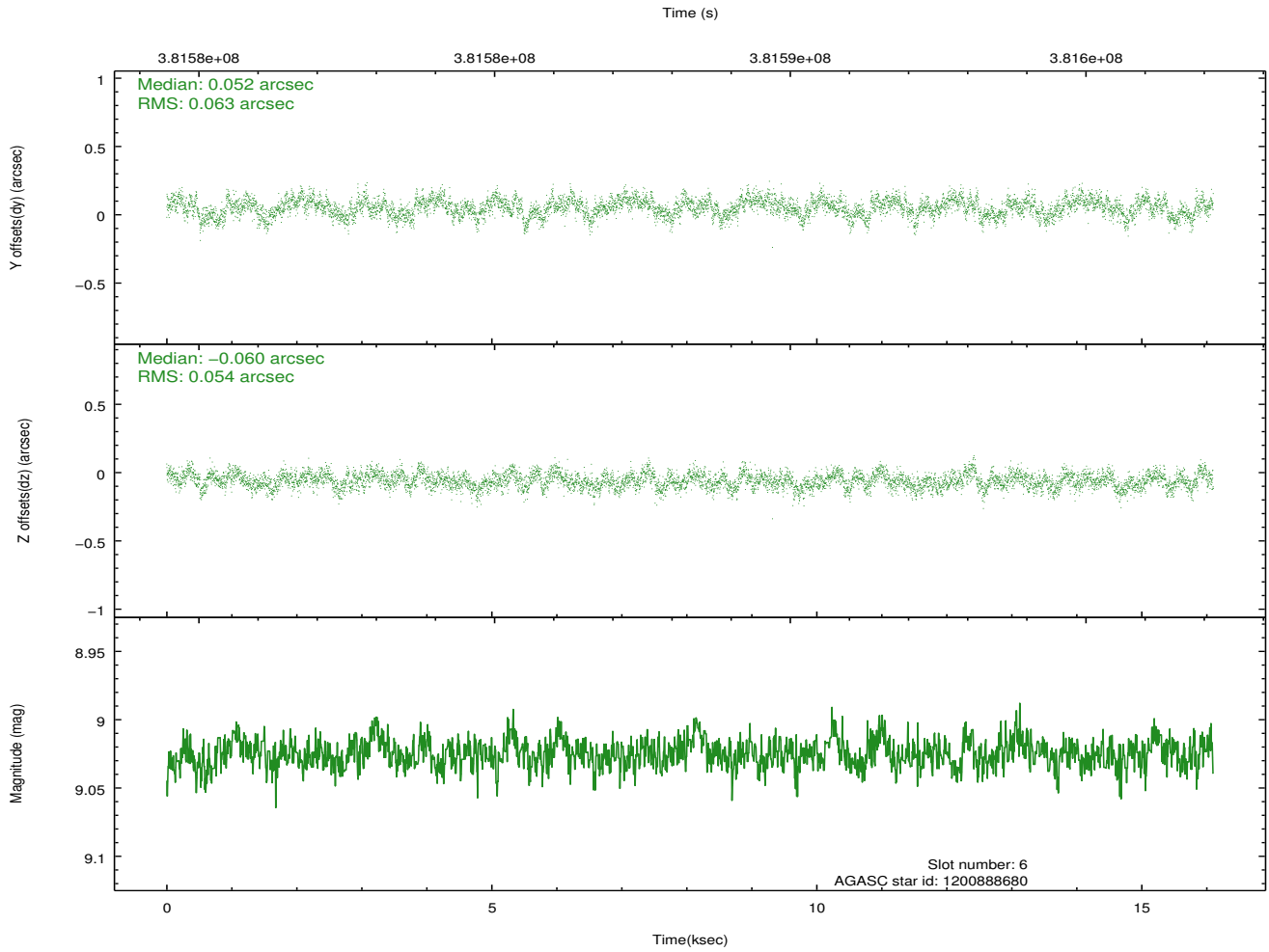
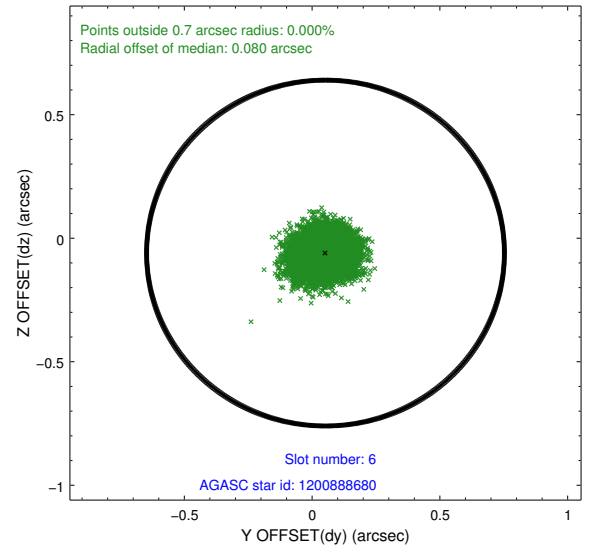
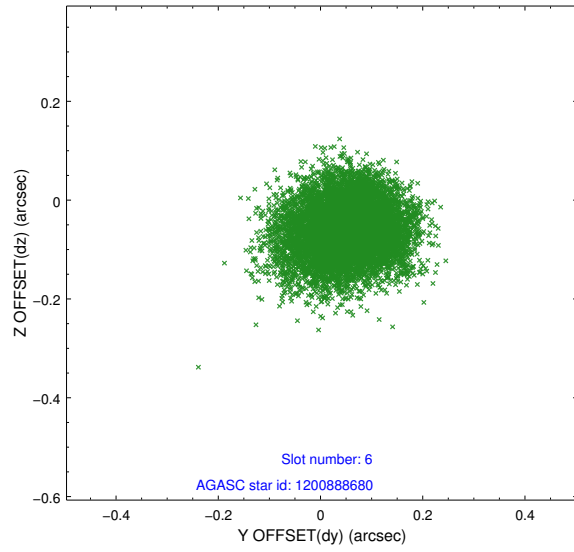
2.4.3 Slot 5



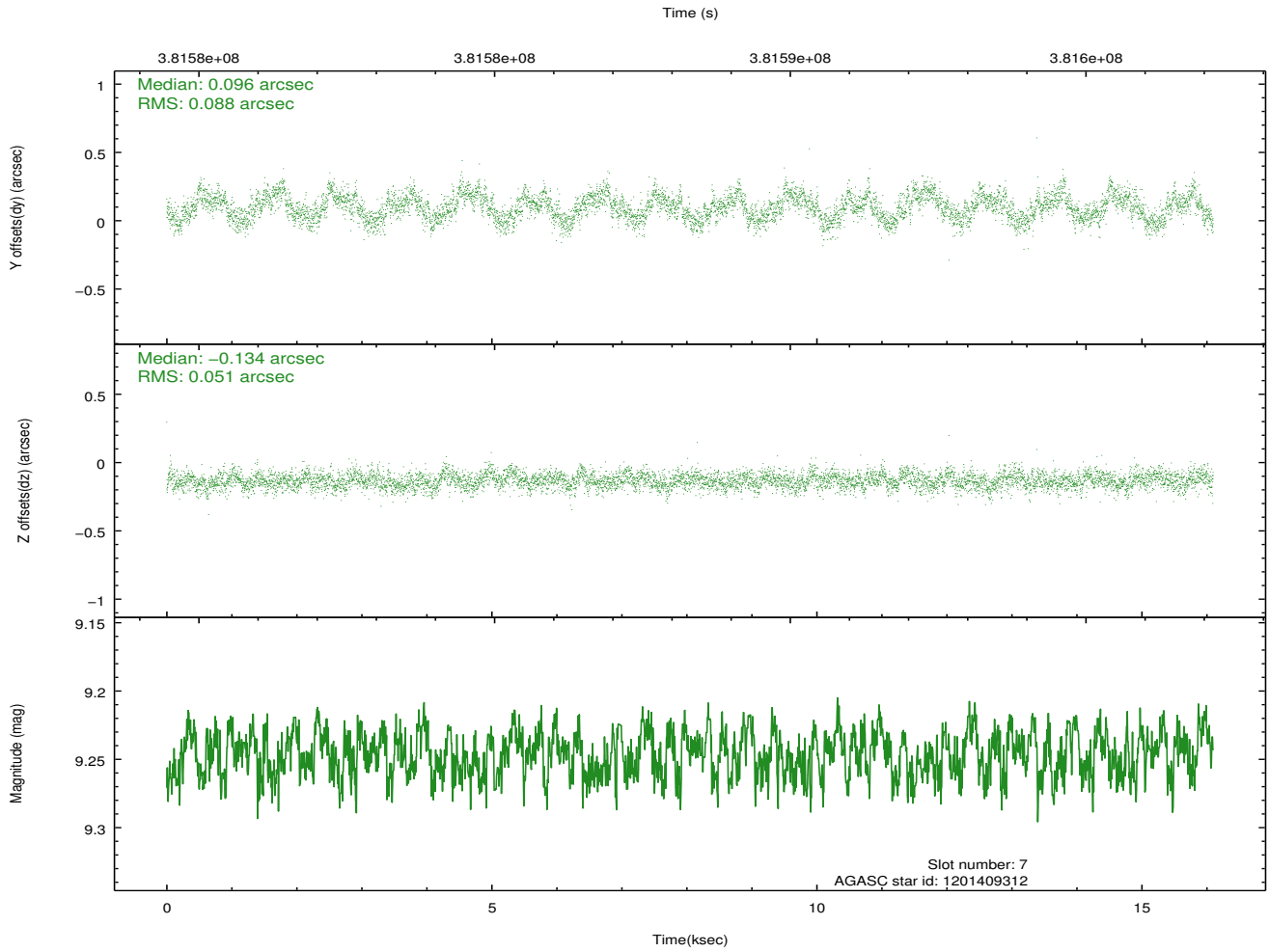
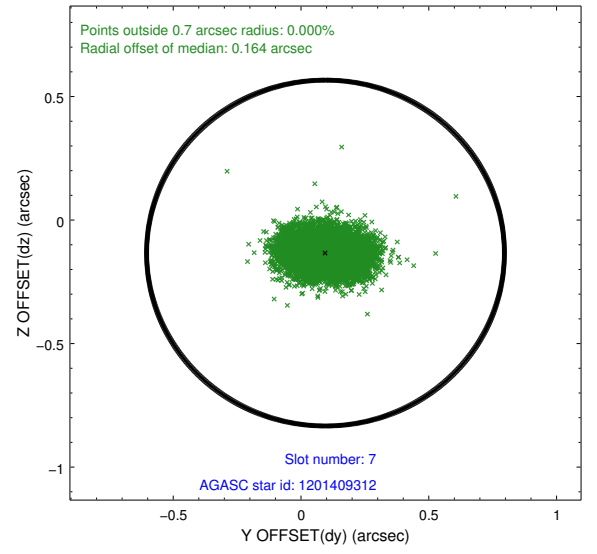
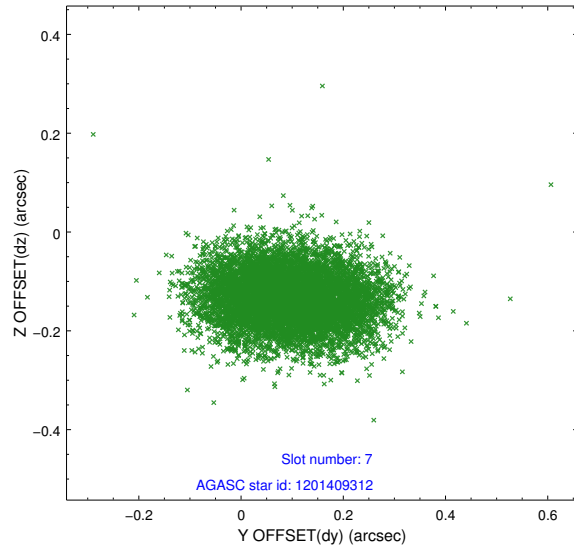
Time (s)



2.4.4 Slot 6

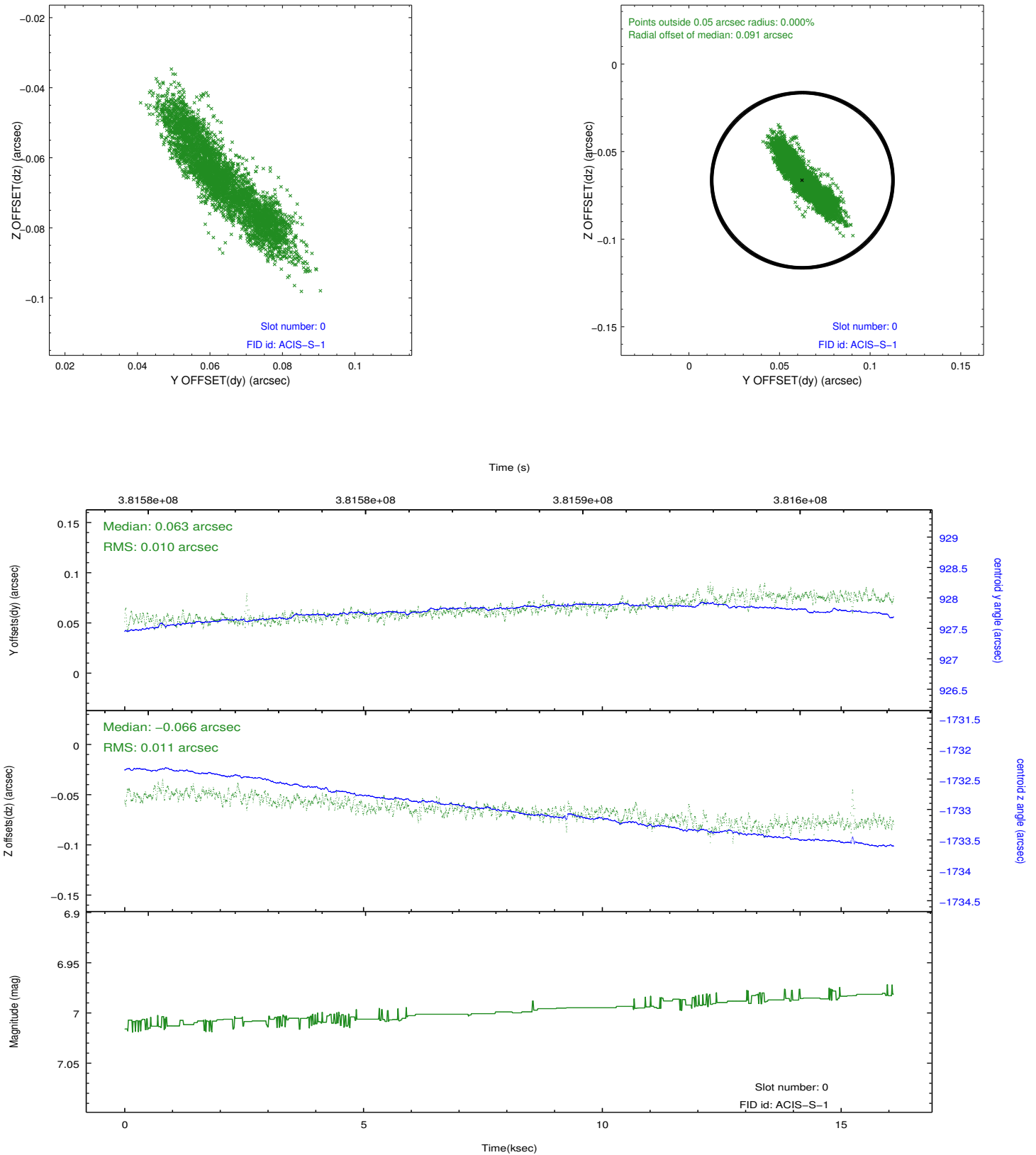


2.4.5 Slot 7

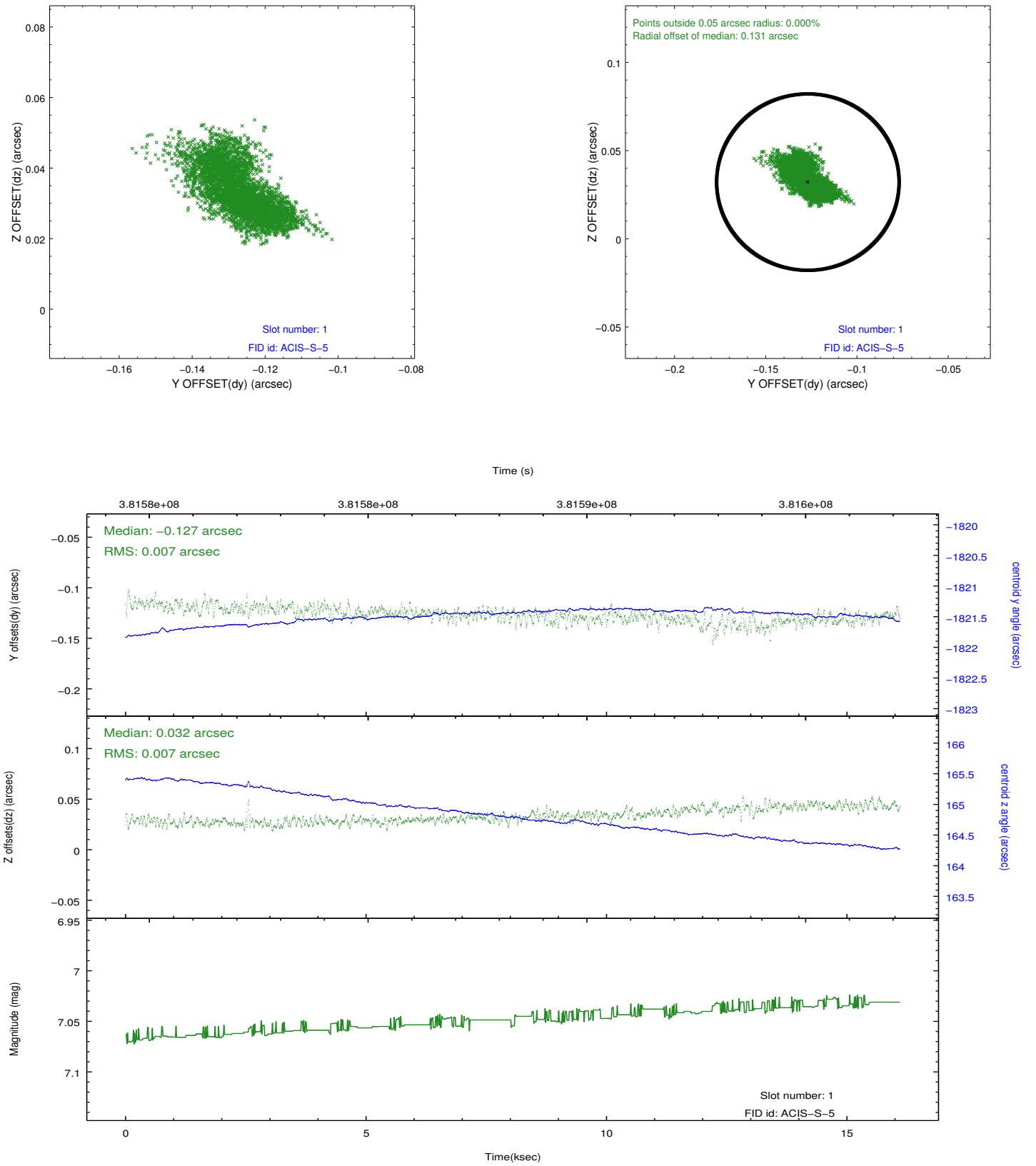


2.5 FID Slots

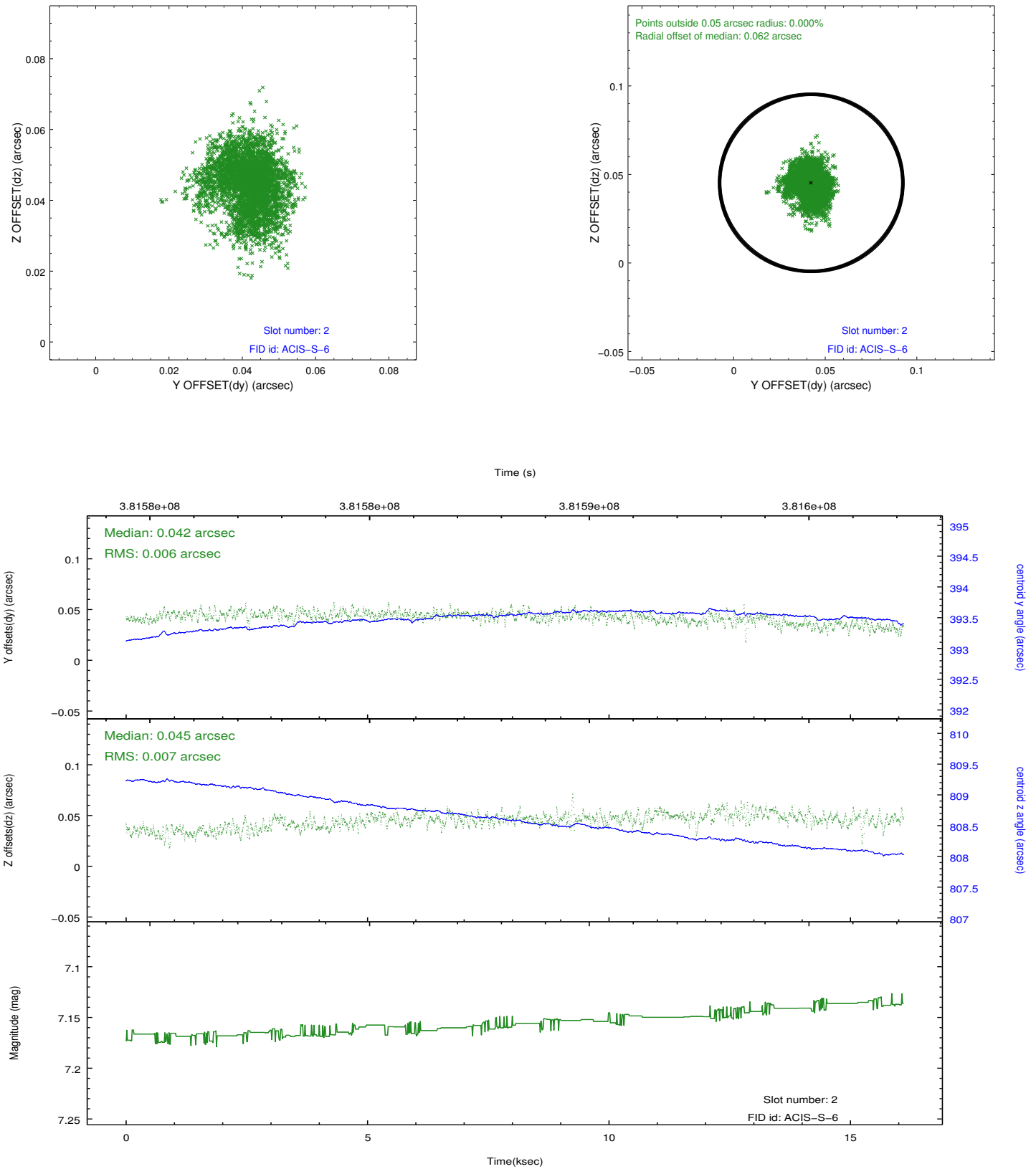
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.940676943421

A.2 Comments

Joint proposal with HST.