

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 15715 - L2 Version 1
Chandra X-Ray Center

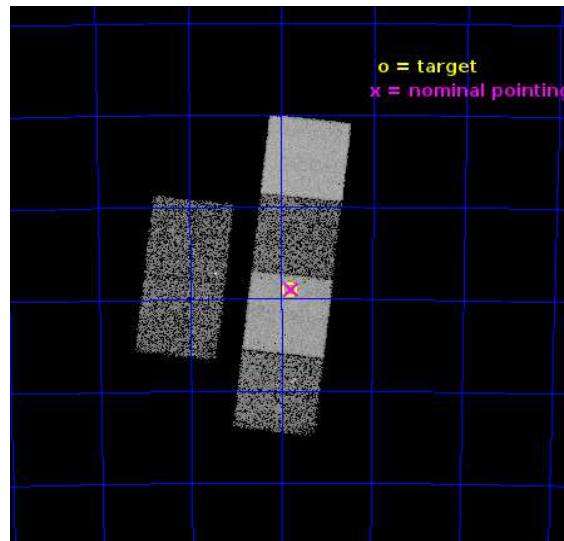
L2 Processing Date : Jul 24 2014

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1 Front

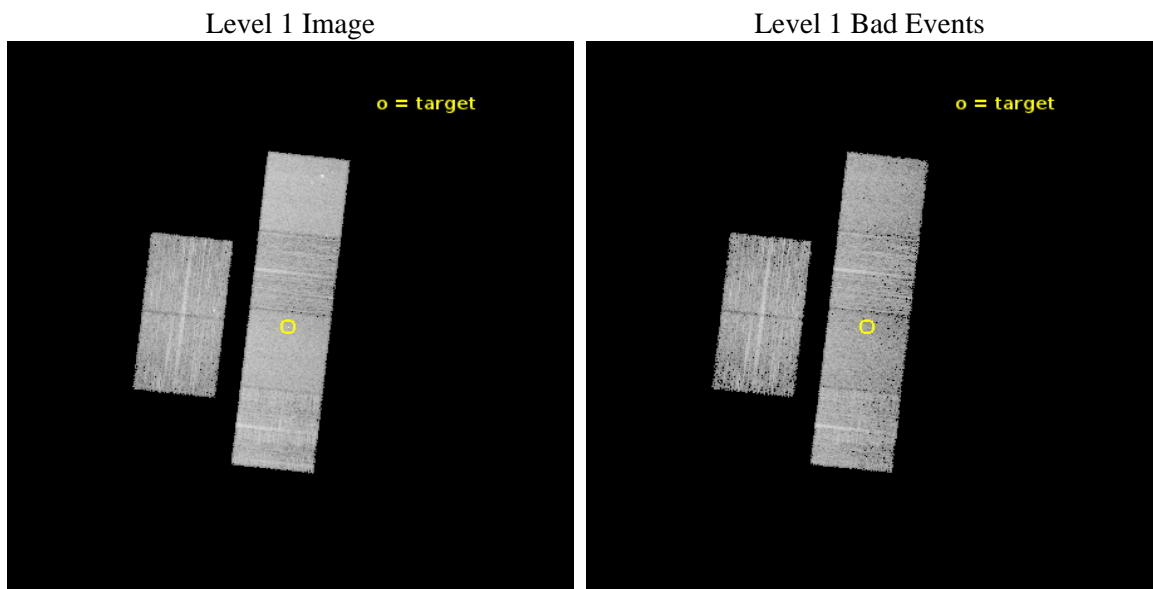
seq_num	200928	Sequence number
obs_id	15715	Observation id
title	INVESTIGATING BINARITY AND ACTIVE ACCRETION IN A NEW CLASS OF AGB STARS WITH FUV EXCESSES	Proposal title
observer	Dr. Raghvendra Sahai	Principal investigator
object	CI Hyi	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	32.95375	Observer's specified target RA [deg]
dec_targ	-71.484056	Observer's specified target Dec [deg]
ra_nom	32.944880528108	Nominal RA [deg]
dec_nom	-71.482649788143	Nominal Dec [deg]
roll_nom	96.416012632004	Nominal Roll [deg]
revision	1	Processing version of data
ontime	9964.7999629378	Sum of GTIs [s]
livetime	9838.6196657249	Livetime [s]
ontime2	9964.7999629378	Sum of GTIs [s]
ontime3	9964.7792087793	Sum of GTIs [s]
ontime5	9964.7999629378	Sum of GTIs [s]
ontime6	9964.7999629378	Sum of GTIs [s]
ontime7	9964.7999629378	Sum of GTIs [s]
ontime8	9964.738168776	Sum of GTIs [s]
l2events	85672	Number of level 2 events



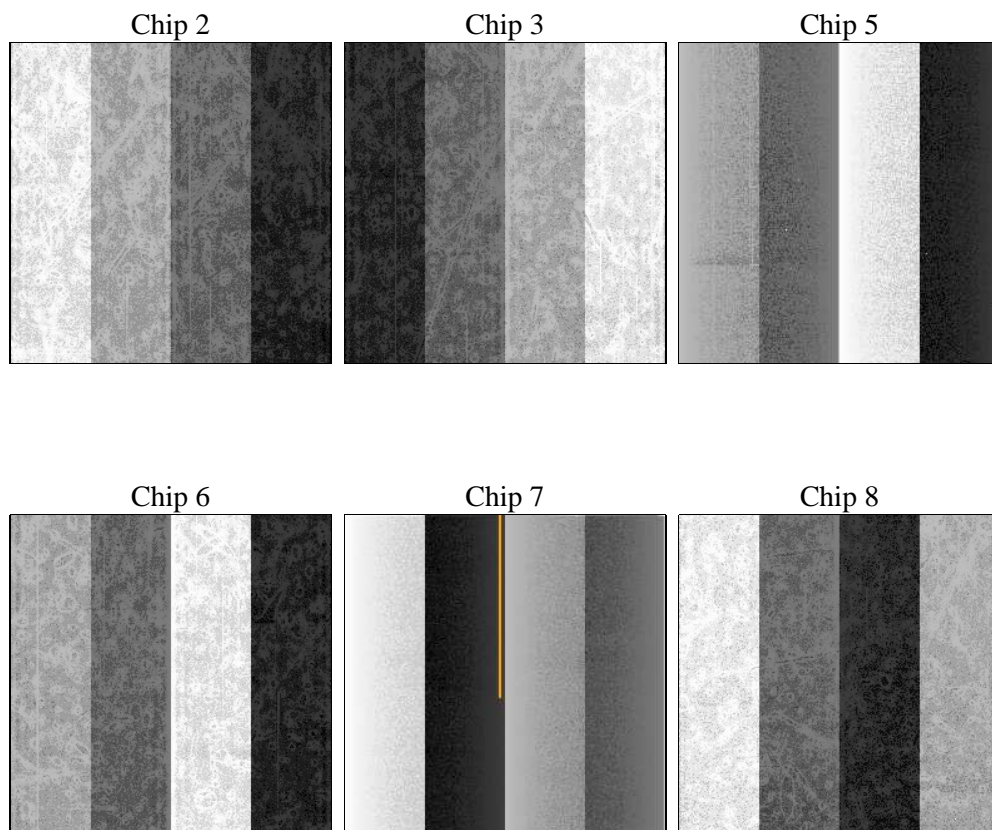
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	9964.7999629378	Sum of GTIs [s]
caldsver	4.6.2	 	ontime2	9964.7999629378	Sum of GTIs [s]
date	2014-07-24T18:50:56	Date and time of file creation	ontime3	9964.7792087793	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	9964.7999629378	Sum of GTIs [s]
			ontime6	9964.7999629378	Sum of GTIs [s]
			ontime7	9964.7999629378	Sum of GTIs [s]
			ontime8	9964.738168776	Sum of GTIs [s]
			l1events	358776	Number of level 1 events

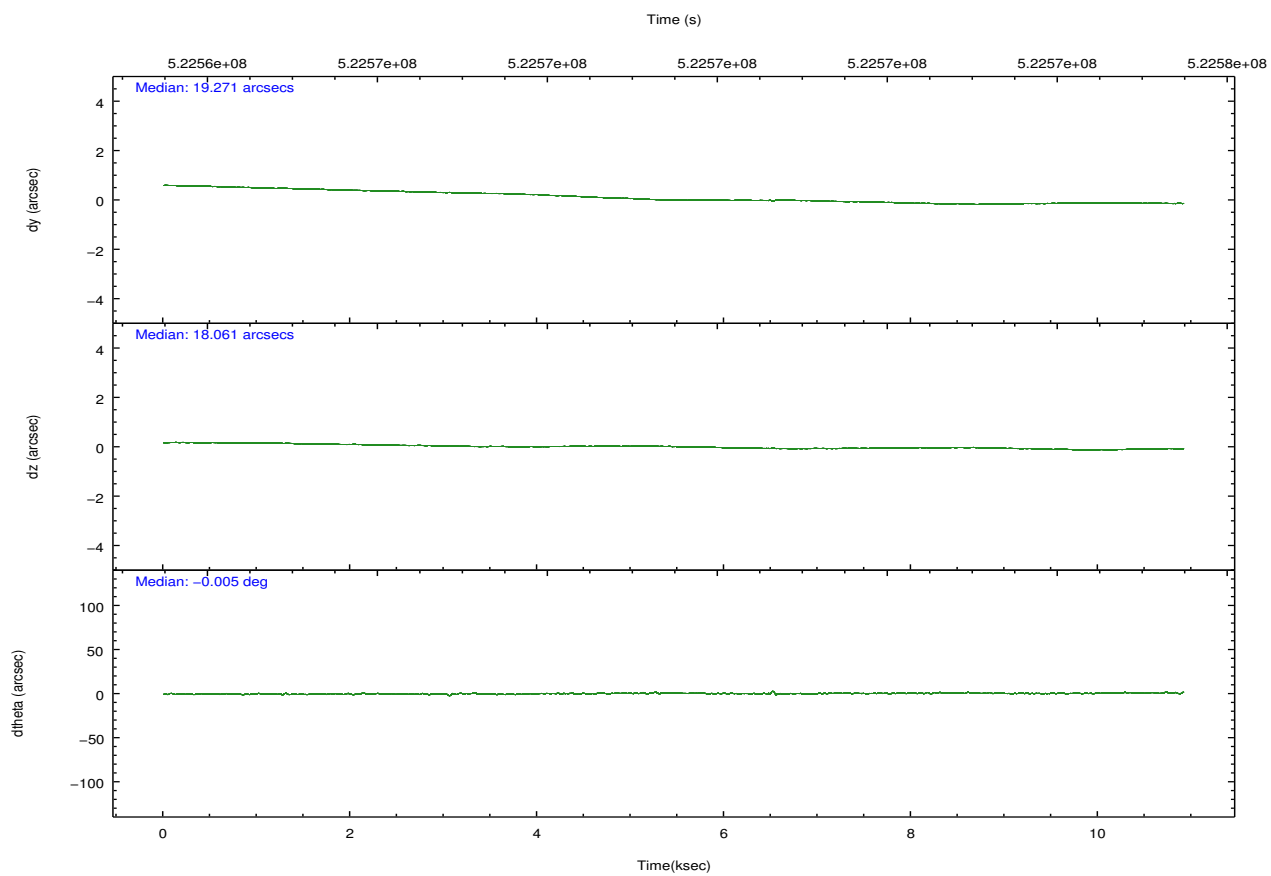
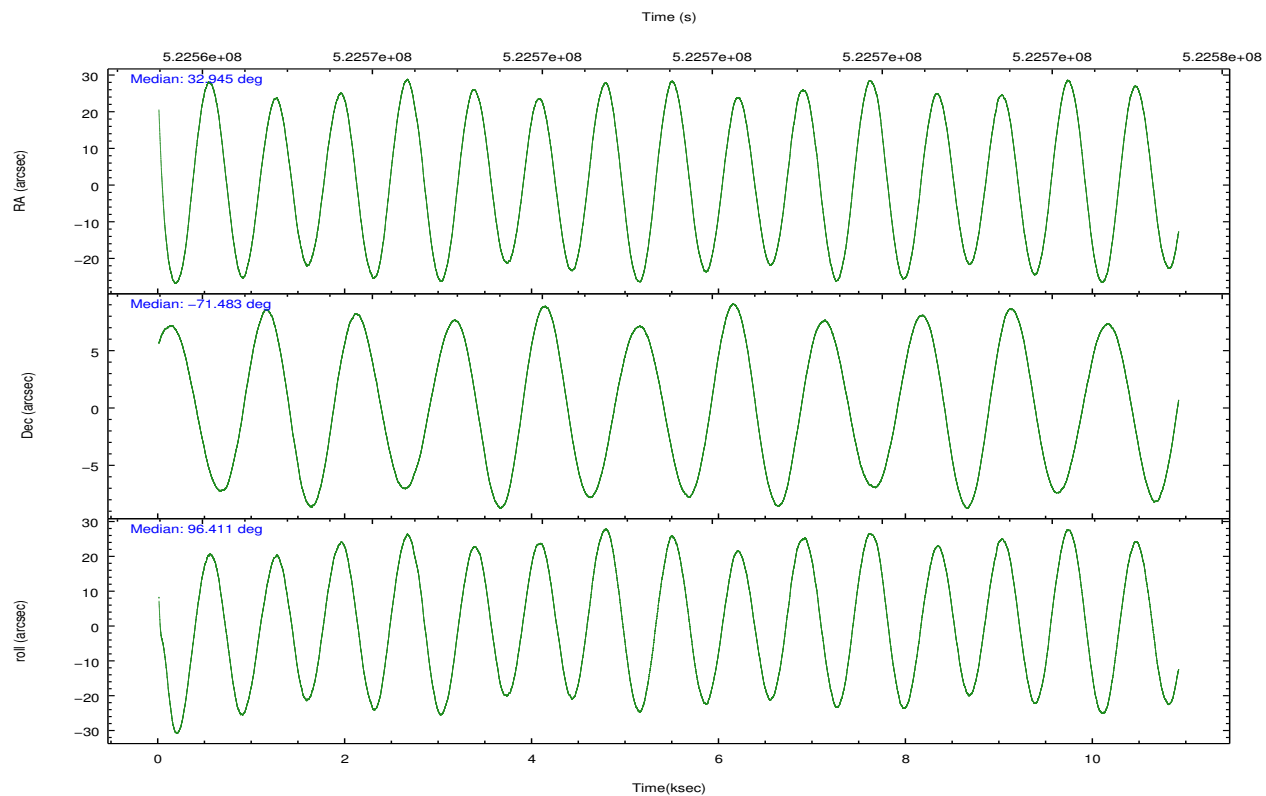
2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	49527	46332	80063	49738	66928	66188	grade 0 events	2130	1918	2524	1993	2571	4982
rejected events	43831	40958	42166	43832	38084	48438		4%	4%	3%	4%	3%	7%
rejected %	88%	88%	52%	88%	56%	73%	grade 1 events	31	28	157	18	64	47
								0%	0%	0%	0%	0%	0%
							grade 2 events	1357	1173	11878	1364	5981	4322
								2%	2%	14%	2%	8%	6%
							grade 3 events	539	572	1289	623	2412	1837
								1%	1%	1%	1%	3%	2%
							grade 4 events	569	547	1234	564	2420	1664
								1%	1%	1%	1%	3%	2%
							grade 5 events	2322	2545	5804	2627	6894	3718
								4%	5%	7%	5%	10%	5%
							grade 6 events	1102	1167	20984	1363	15472	4946
								2%	2%	26%	2%	23%	7%
							grade 7 events	41477	38382	36193	41186	31114	44672
								83%	82%	45%	82%	46%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	32.997300	32.94488052810829	CCD I2 on	O1	Y
[deg] Pointing Dec	-71.504494	-71.48264978814255	CCD I3 on	O2	Y
[deg] Pointing Roll	96.309106	96.41601263200405	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[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	Y	Y
[s] Observation start time (MET)	522564956.184000	522563321.72965	CCD S5 on	N	N
Observation start date	2014-07-24T04:54:49	2014-07-24T04:28:41	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	522574956.184000	522575970.74285	On-chip summing requested	N	N
Observation end date	2014-07-24T07:41:29	2014-07-24T07:59:30	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect

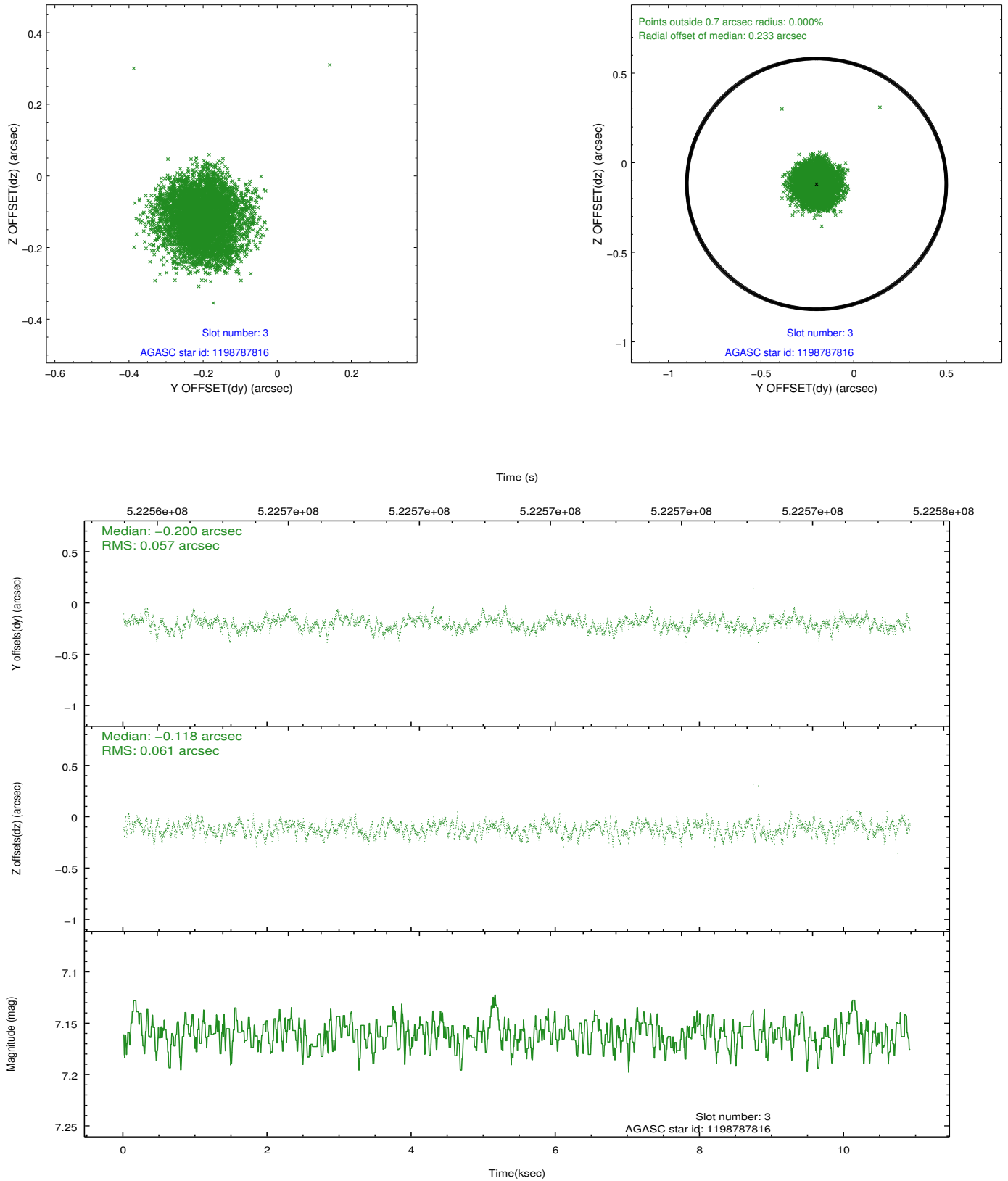


Slot Statistics

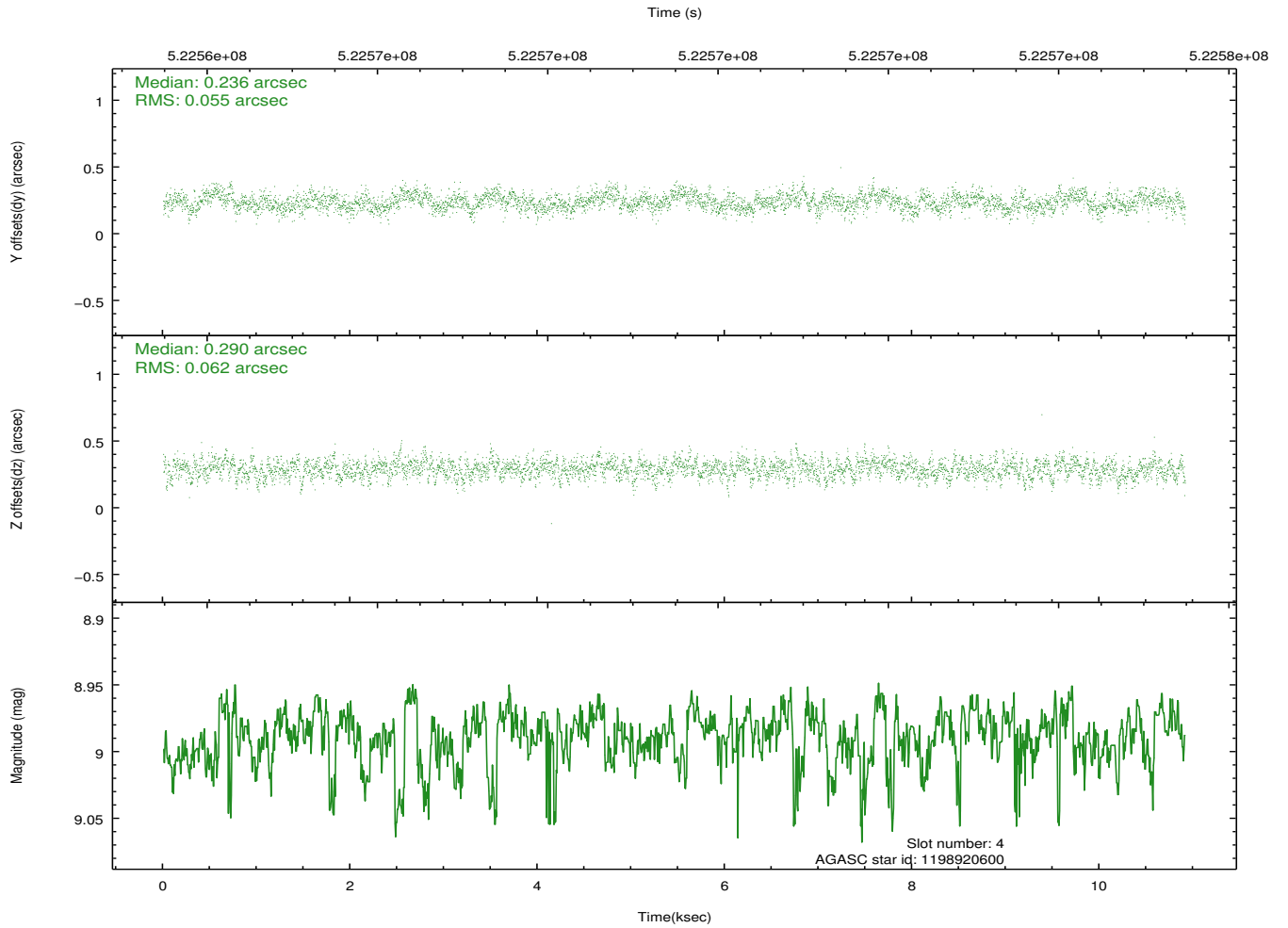
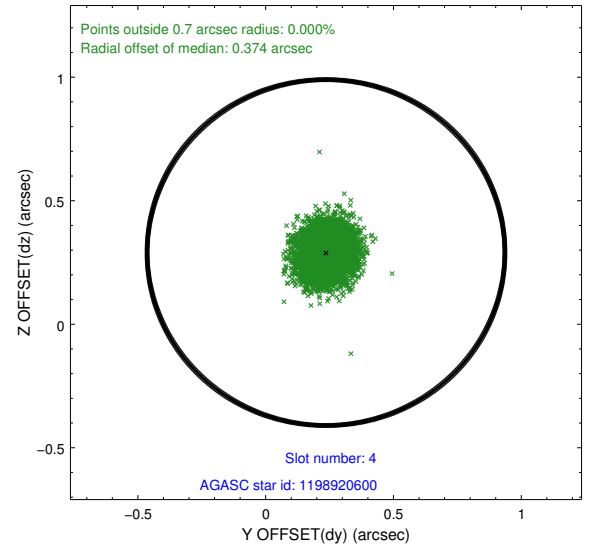
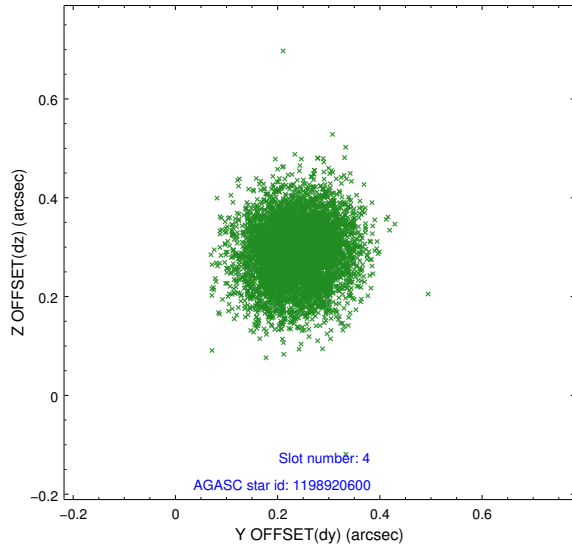
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.07	2662	0.048	0.000	0.013	0.022	0.000000	0.000000	923.59	-1735.16
1	FID	ACIS-S-4	7.08	2662	0.207	-0.018	0.008	0.013	0.000000	0.000000	2141.43	168.48
2	FID	ACIS-S-5	7.10	2662	-0.281	0.031	0.010	0.022	0.000000	0.000000	-1824.99	162.68
3	GUIDE	1198787816	7.16	5324	-0.200	-0.118	0.090	0.138	31.422431	-71.606703	-191.61	1819.51
4	GUIDE	1198920600	8.99	5319	0.236	0.290	0.088	0.141	33.782601	-71.520539	-160.46	-883.52
5	GUIDE	1198920824	9.21	5318	-0.025	-0.321	0.117	0.183	32.648590	-70.993548	1872.30	204.28
6	GUIDE	1198922416	8.93	5319	0.149	0.240	0.102	0.167	33.518039	-71.537865	-186.11	-575.98
7	GUIDE	1198923944	6.56	2662	-0.319	-0.171	0.058	0.095	32.953768	-71.484056	78.42	41.39

2.4 Star Slots

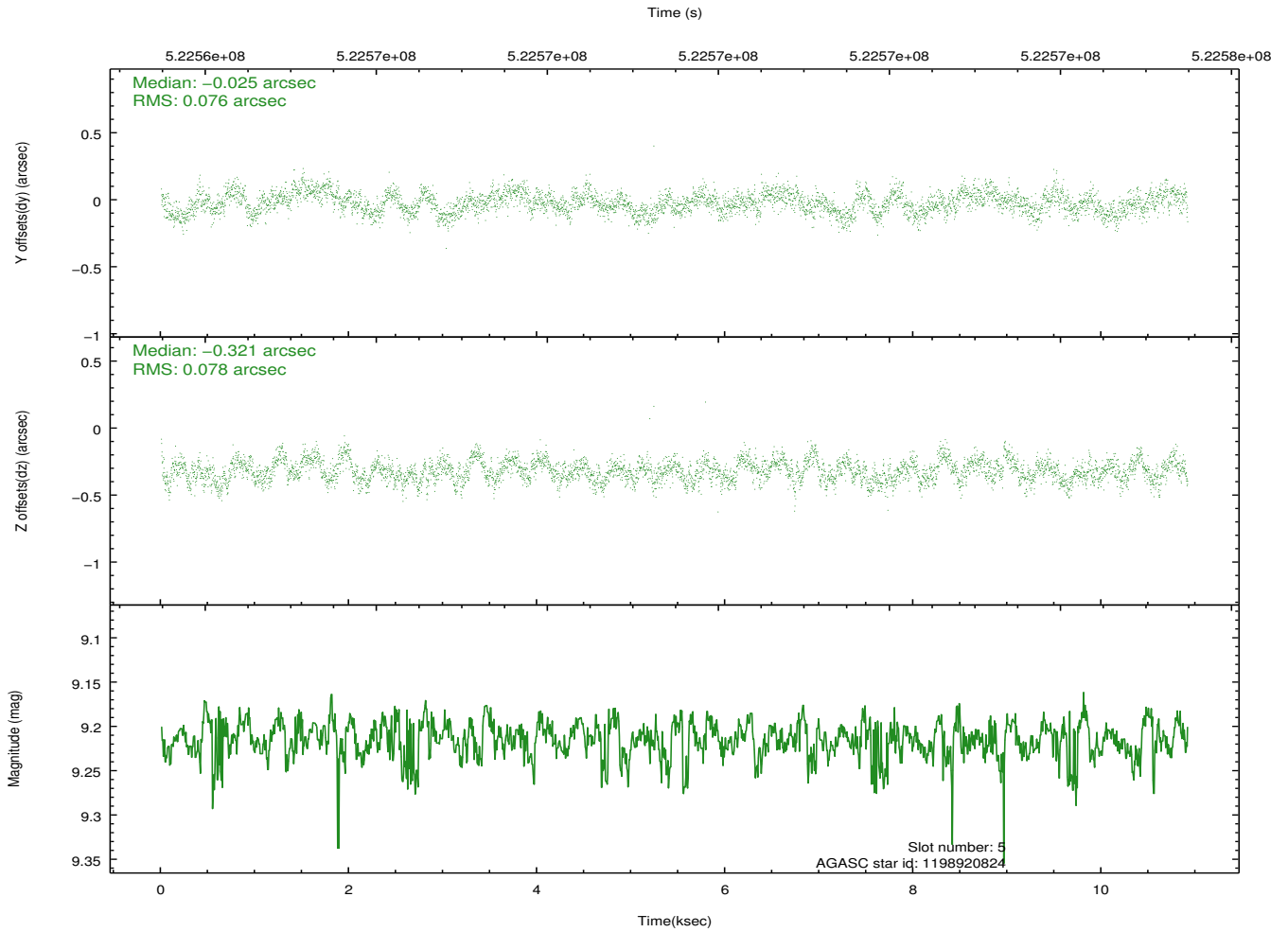
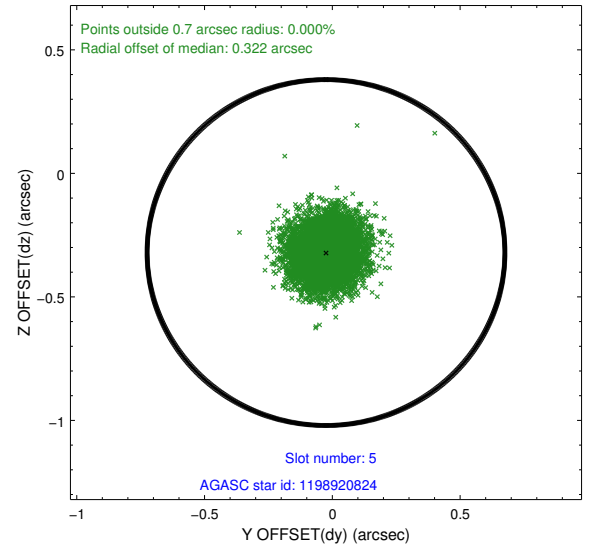
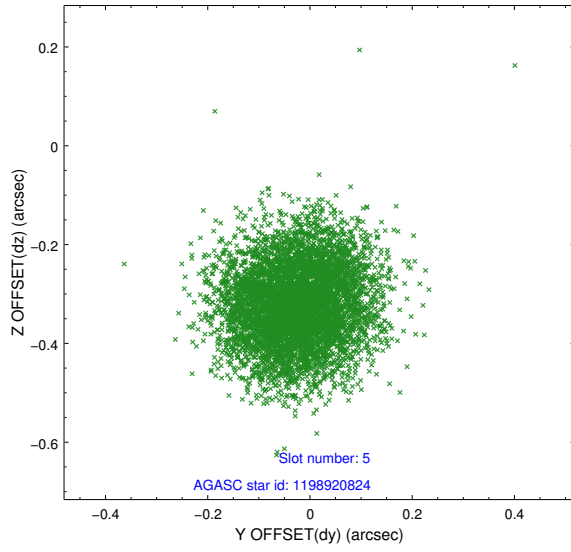
2.4.1 Slot 3



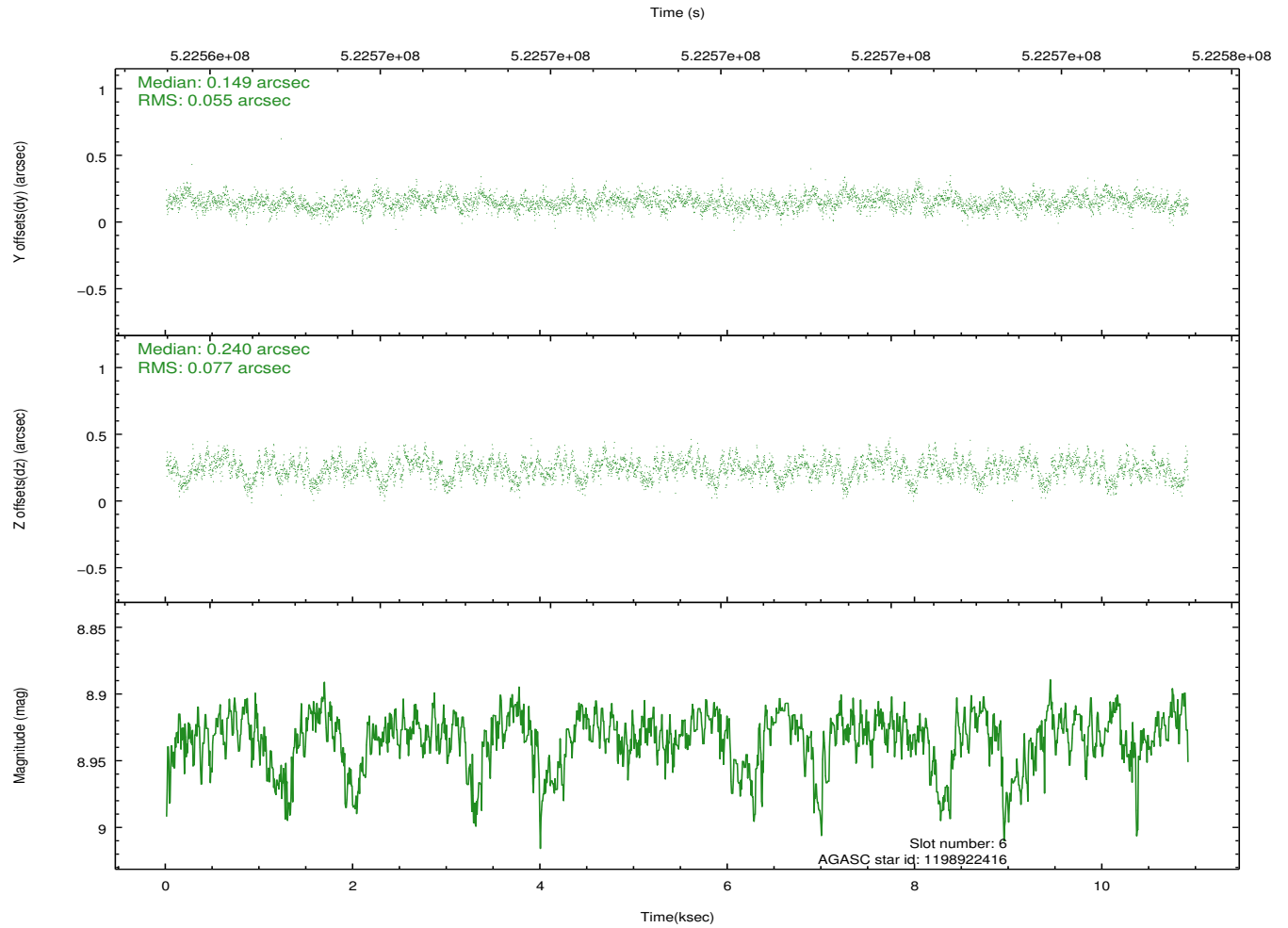
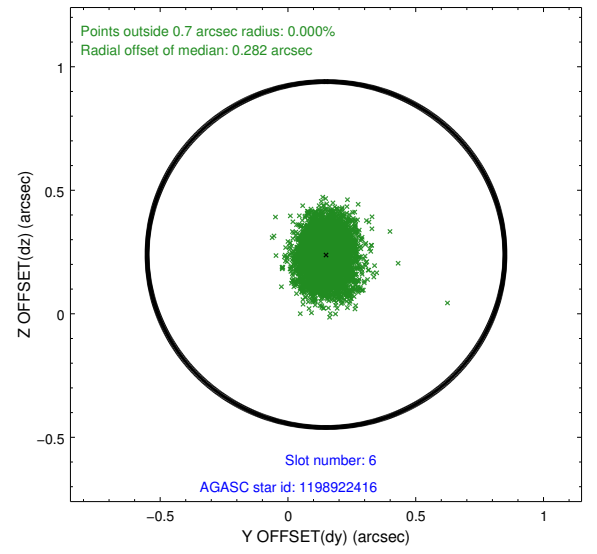
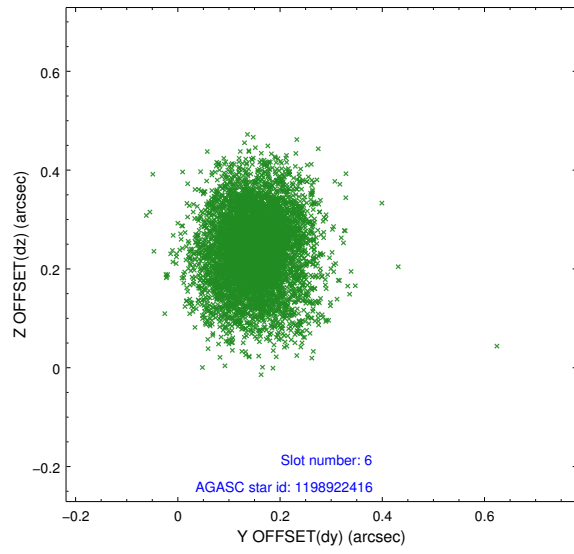
2.4.2 Slot 4



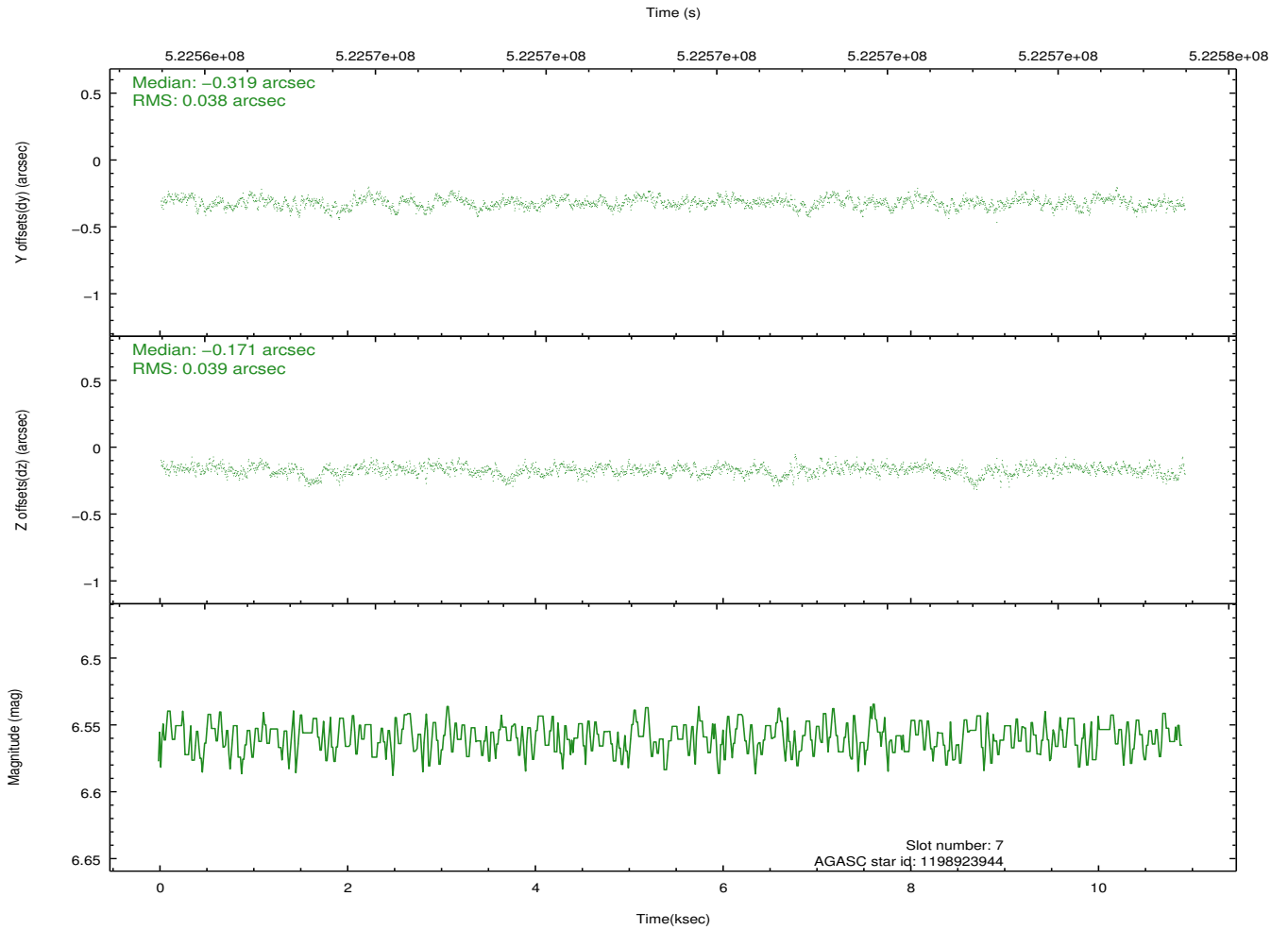
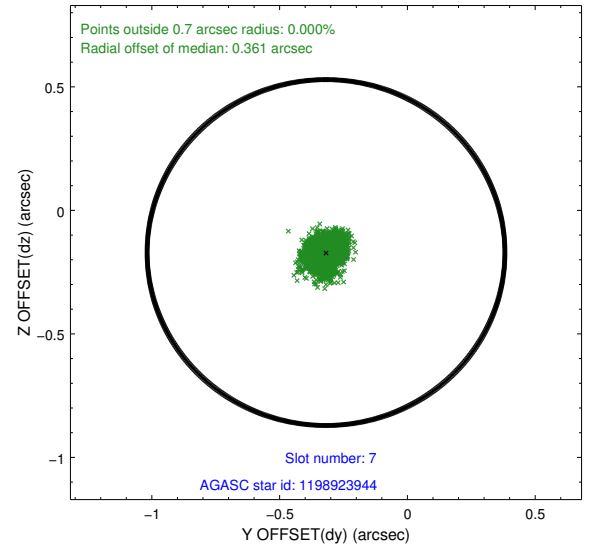
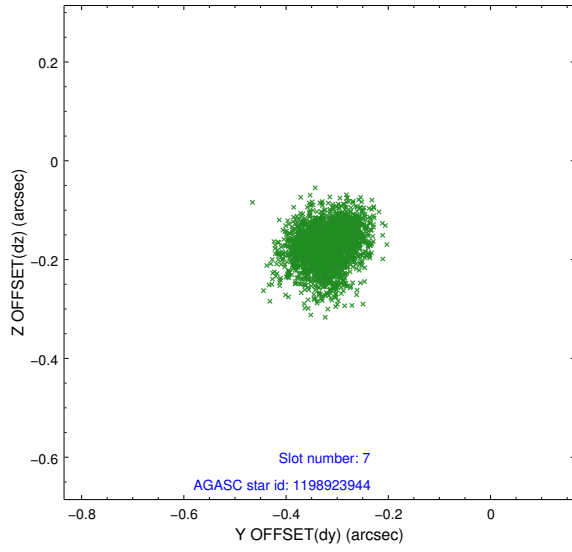
2.4.3 Slot 5



2.4.4 Slot 6

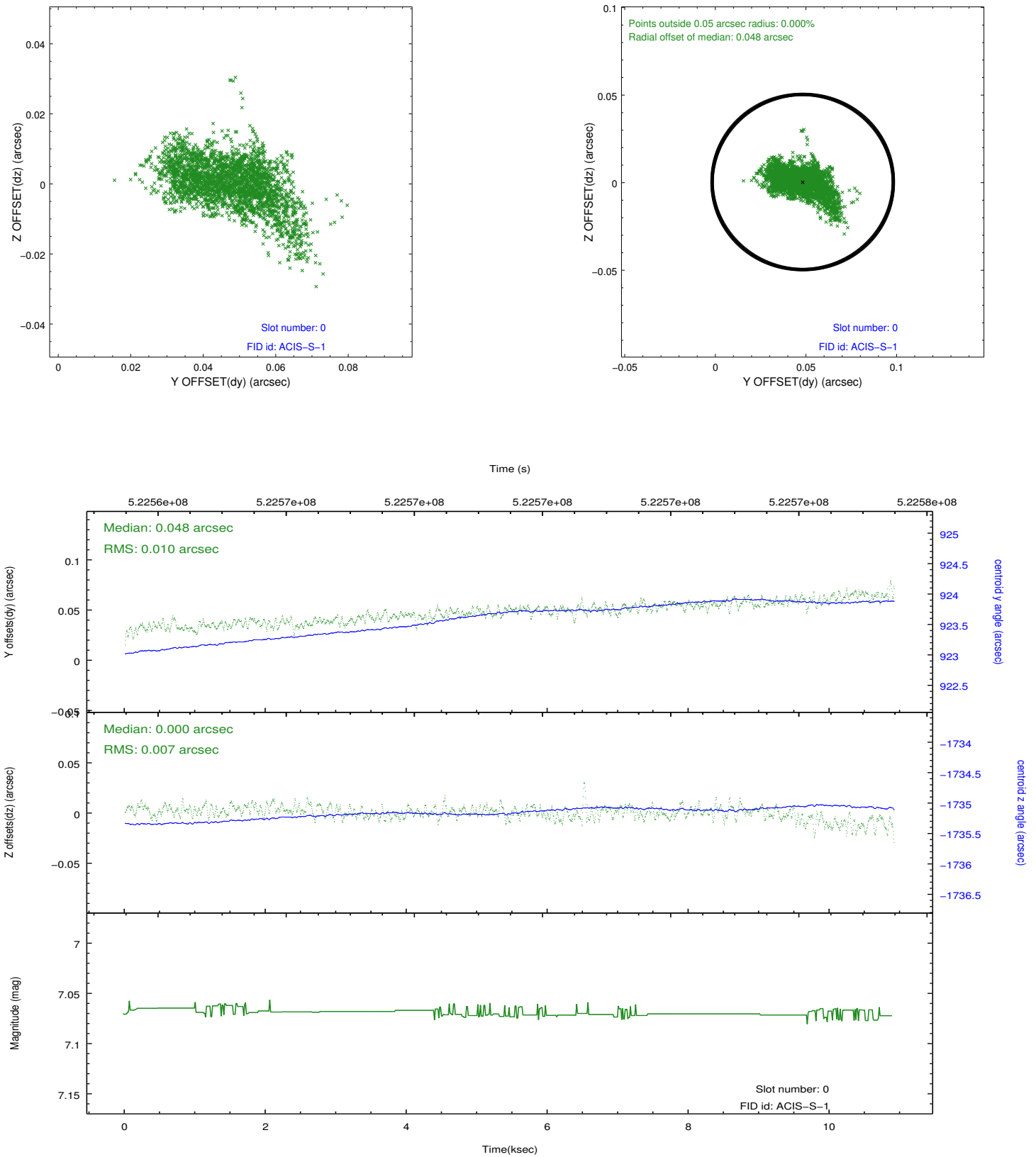


2.4.5 Slot 7

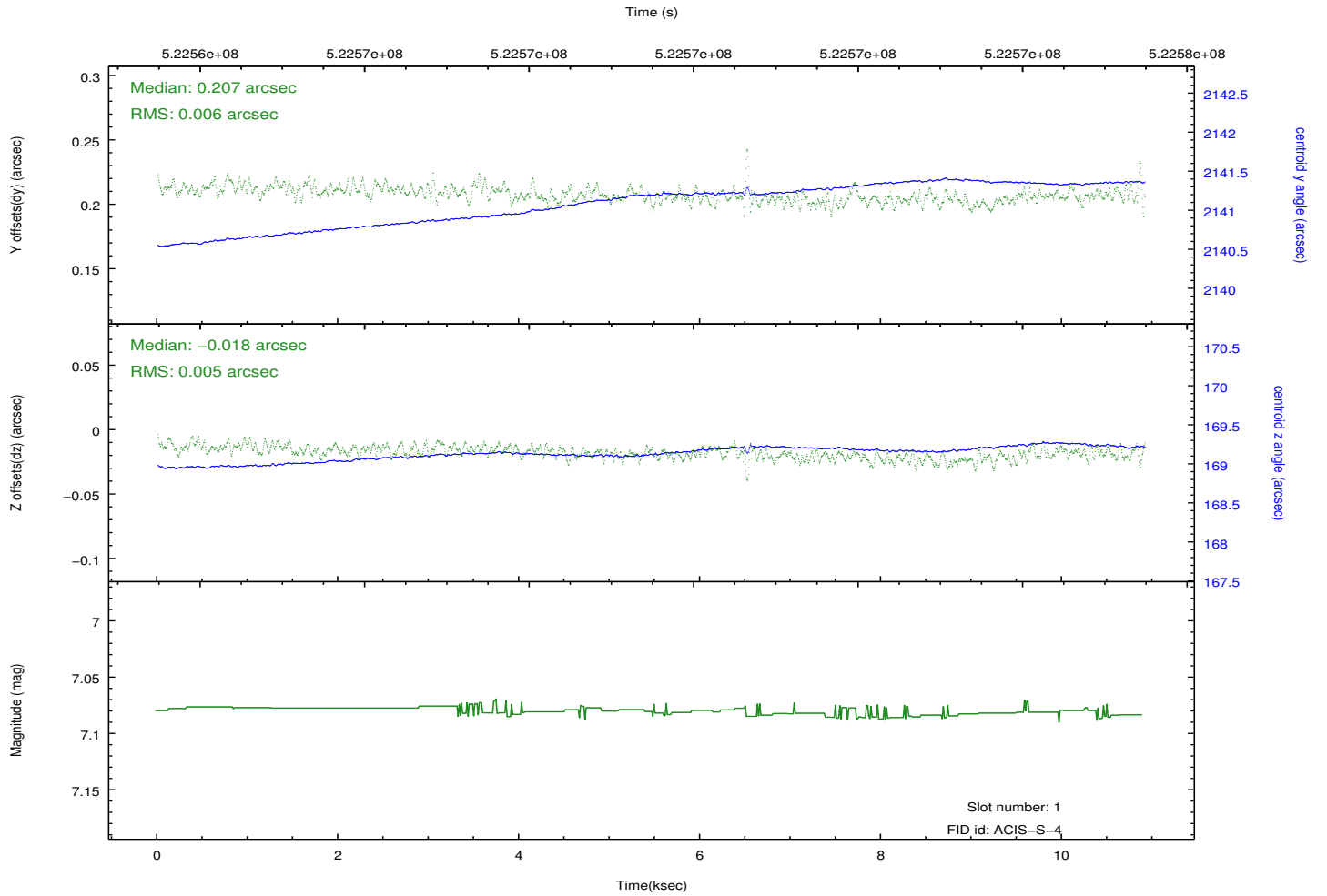
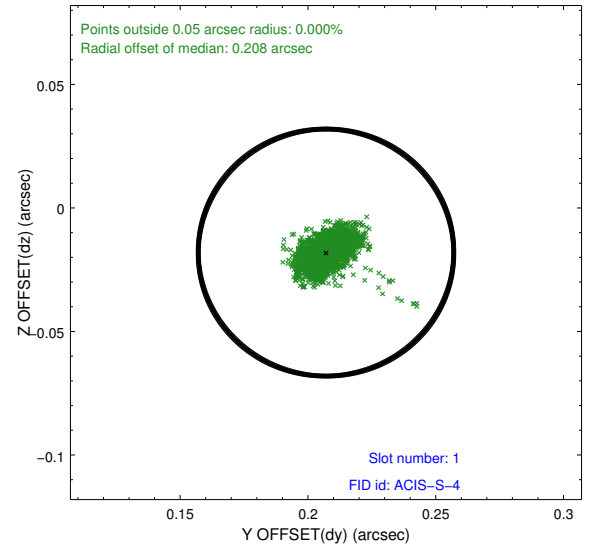
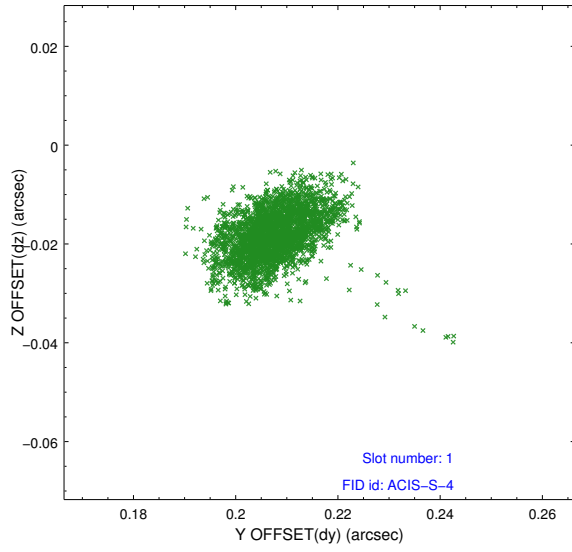


2.5 FID Slots

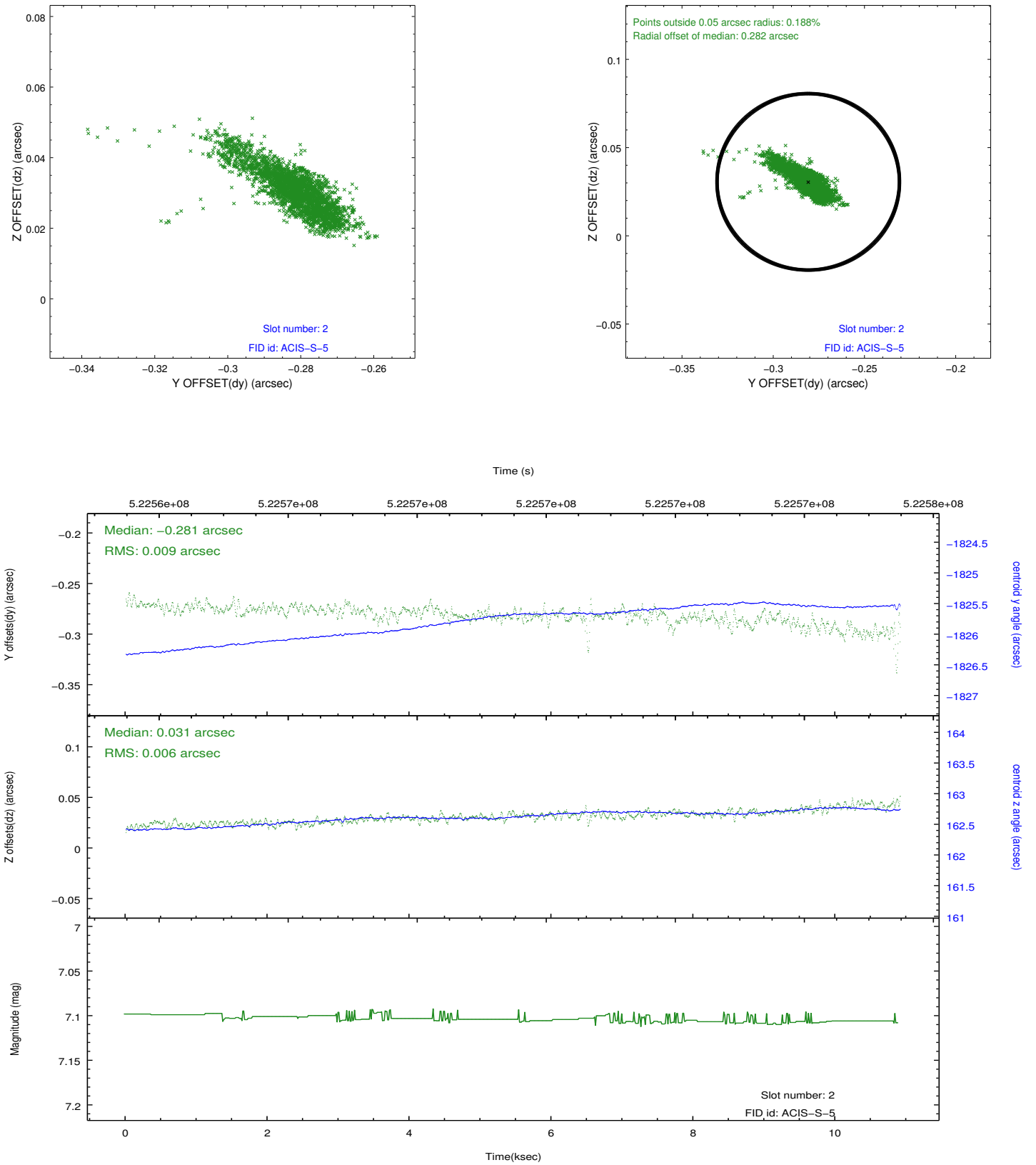
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.07.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.9647999629378

A.2 Comments