

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13232 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 20 2012

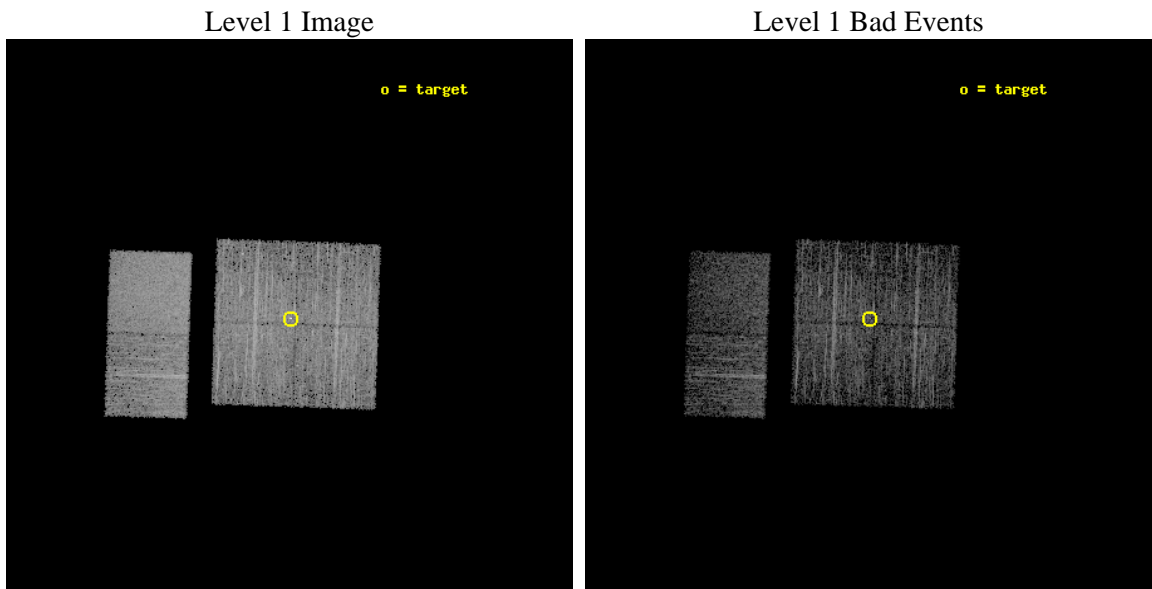
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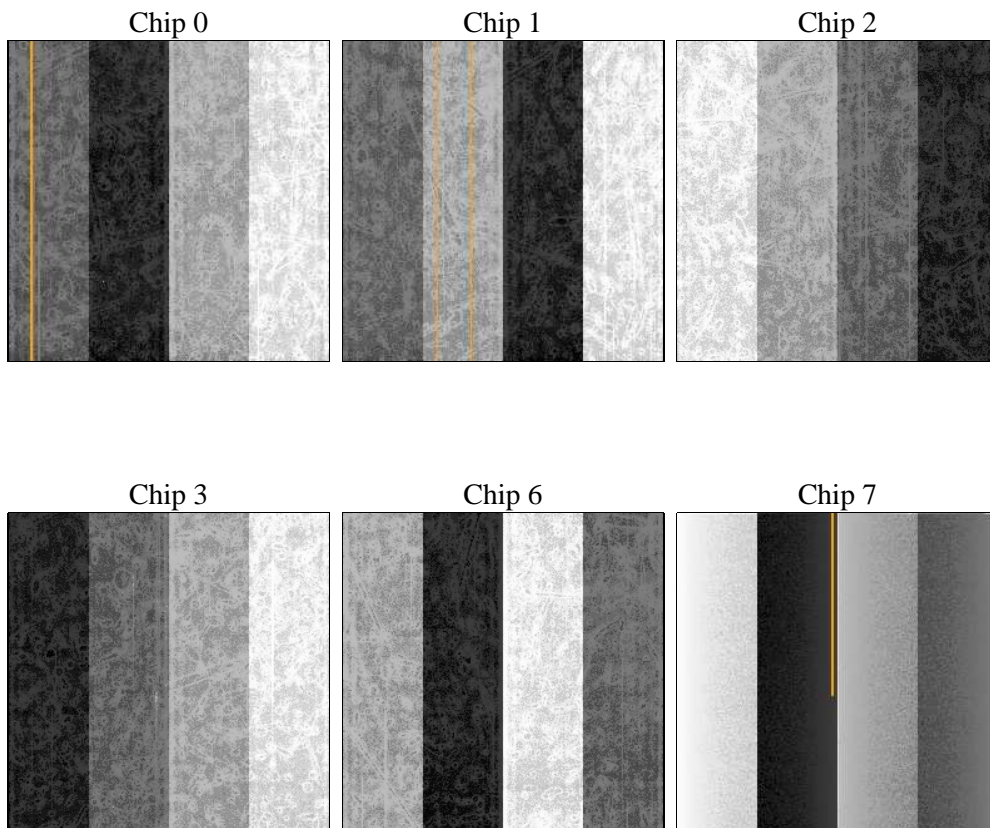
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5012.004000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	5065.5999811888	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	5065.5999811888	Sum of GTIs [s]
date	2012-02-20T22:58:25	Date and time of file creation	ontime1	5065.5999811888	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5065.5999811888	Sum of GTIs [s]
			ontime3	5065.5999811888	Sum of GTIs [s]
			ontime6	5065.5999811888	Sum of GTIs [s]
			ontime7	5065.5999811888	Sum of GTIs [s]
			l1events	193476	Number of level 1 events

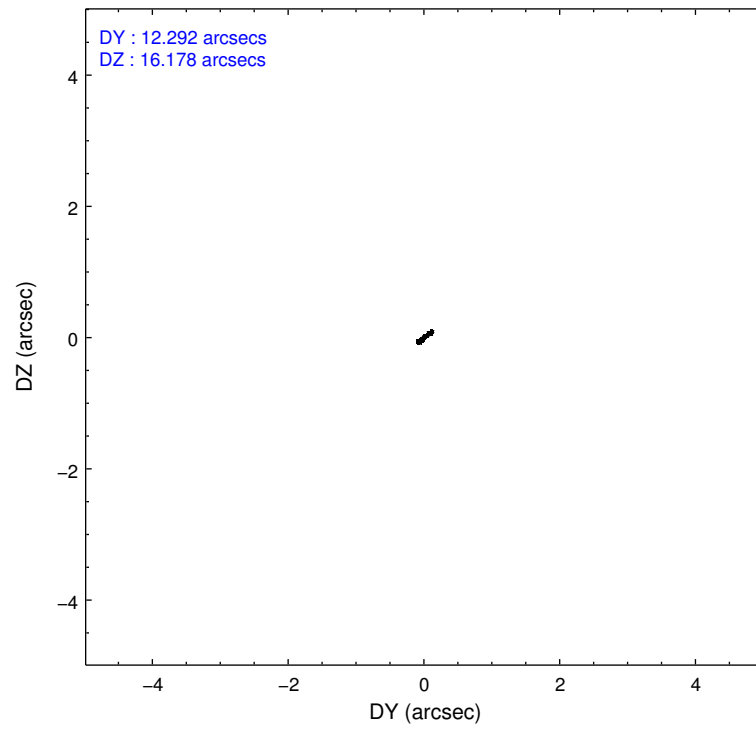
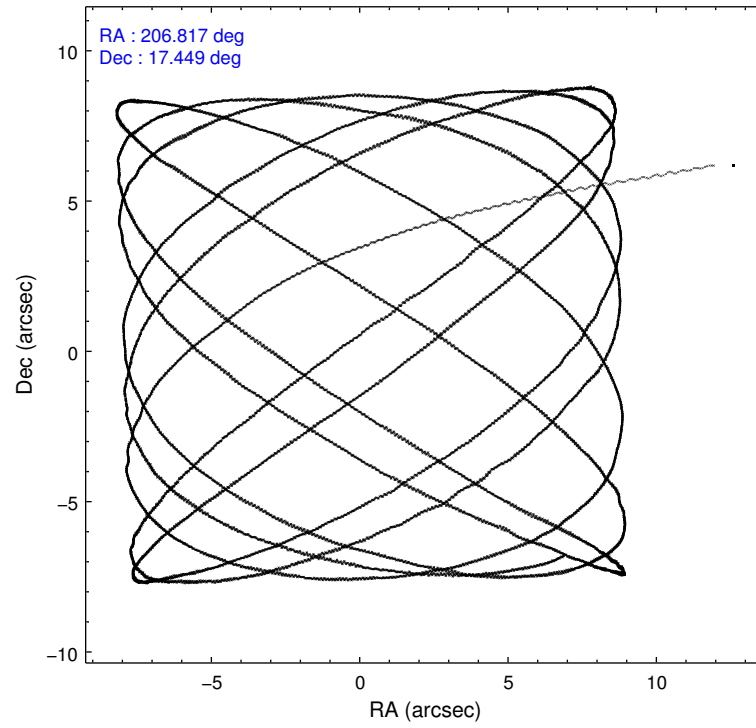
2.1.4 Events

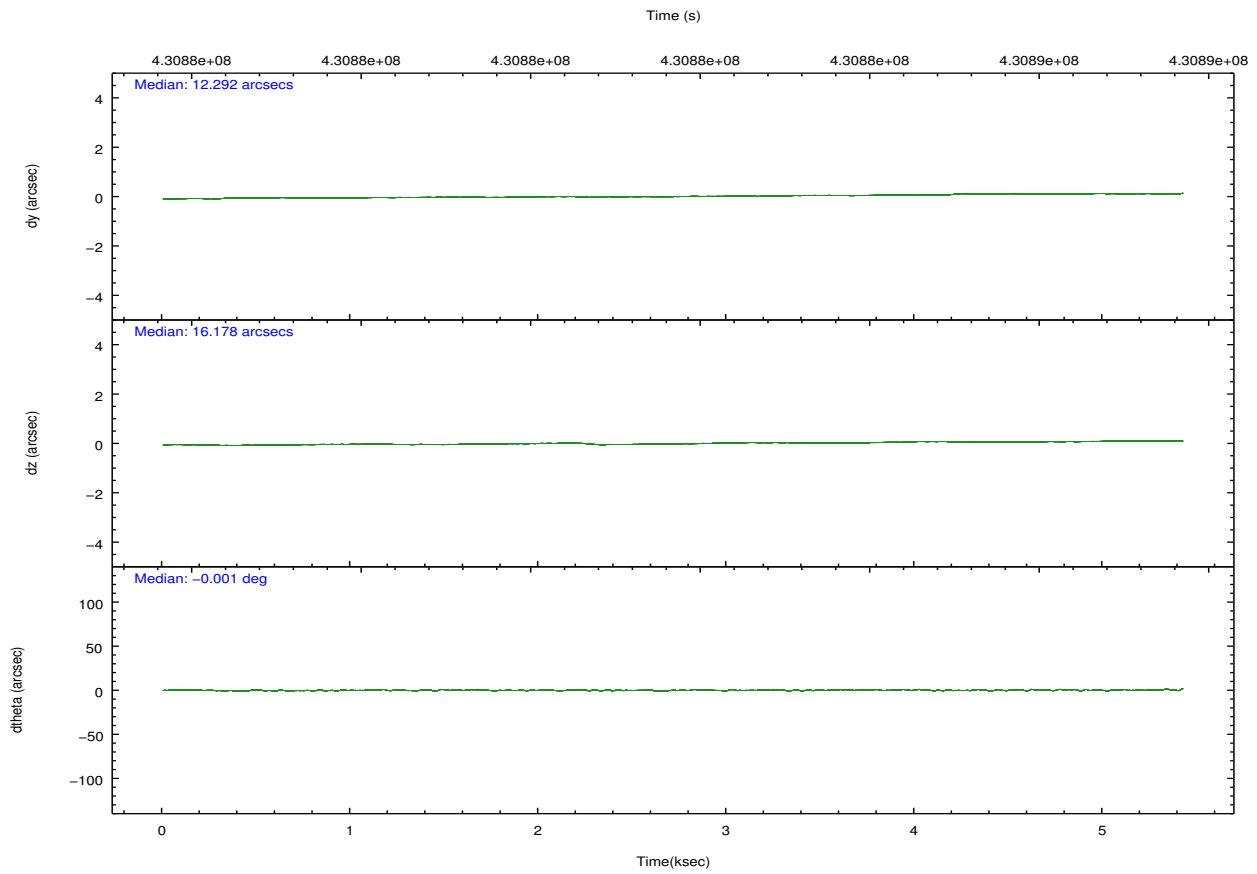
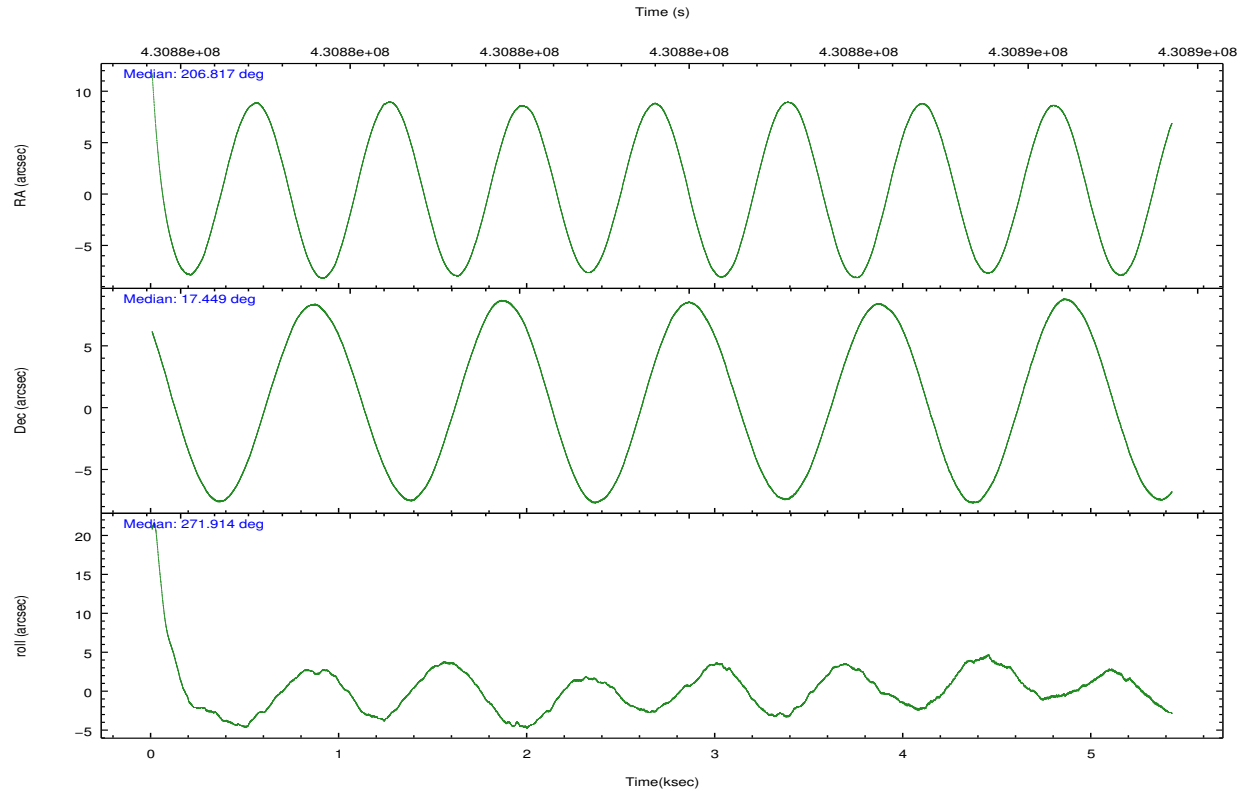
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	29741	28258	30830	32636	31051	40960	grade 0 events	1285	1443	1283	1875	1276	1776
rejected events	26168	24276	27381	28572	27247	22529		4%	5%	4%	5%	4%	4%
rejected %	87%	85%	88%	87%	87%	55%	grade 1 events	8	13	18	28	17	39
								0%	0%	0%	0%	0%	0%
							grade 2 events	883	953	785	738	881	3820
								2%	3%	2%	2%	2%	9%
							grade 3 events	382	395	366	385	369	1650
								1%	1%	1%	1%	1%	4%
							grade 4 events	340	403	340	391	404	1596
								1%	1%	1%	1%	1%	3%
							grade 5 events	1400	1479	1262	1516	1483	4276
								4%	5%	4%	4%	4%	10%
							grade 6 events	686	789	682	680	876	9611
								2%	2%	2%	2%	2%	23%
							grade 7 events	24757	22783	26094	27023	25745	18192
								83%	80%	84%	82%	82%	44%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	206.801426	206.8167021021159	CCD I2 on	Y	Y
[deg] Pointing Dec	17.472729	17.44937657919211	CCD I3 on	Y	Y
[deg] Pointing Roll	271.716603	271.9207481221499	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O2	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	430881539.184000	430880406.44858	CCD S5 on	N	N
Observation start date	2011-08-28T01:17:53	2011-08-28T01:00:06	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	430886551.184000	430886790.66142	On-chip summing requested	N	N
Observation end date	2011-08-28T02:41:25	2011-08-28T02:46:30	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



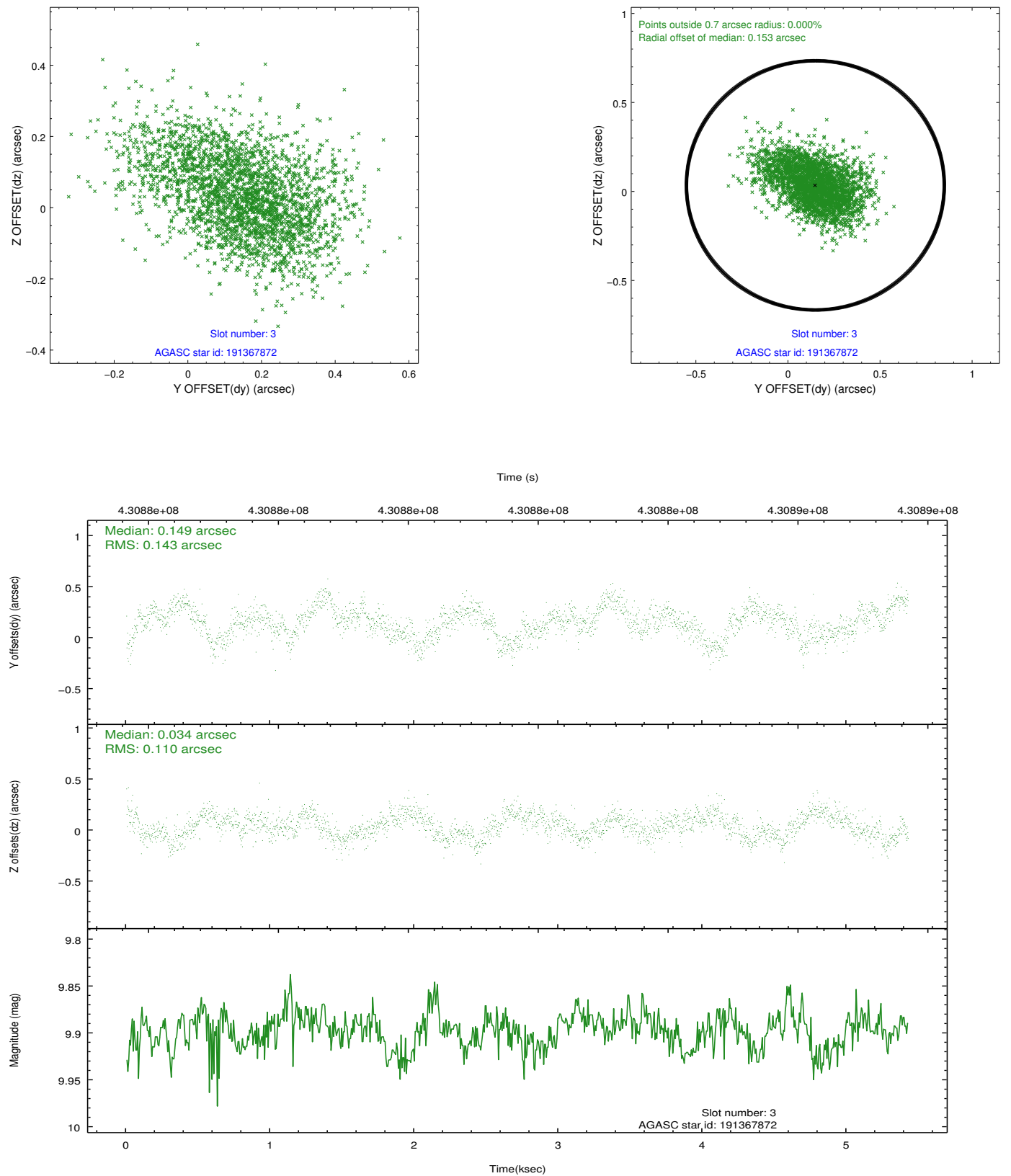


Slot Statistics

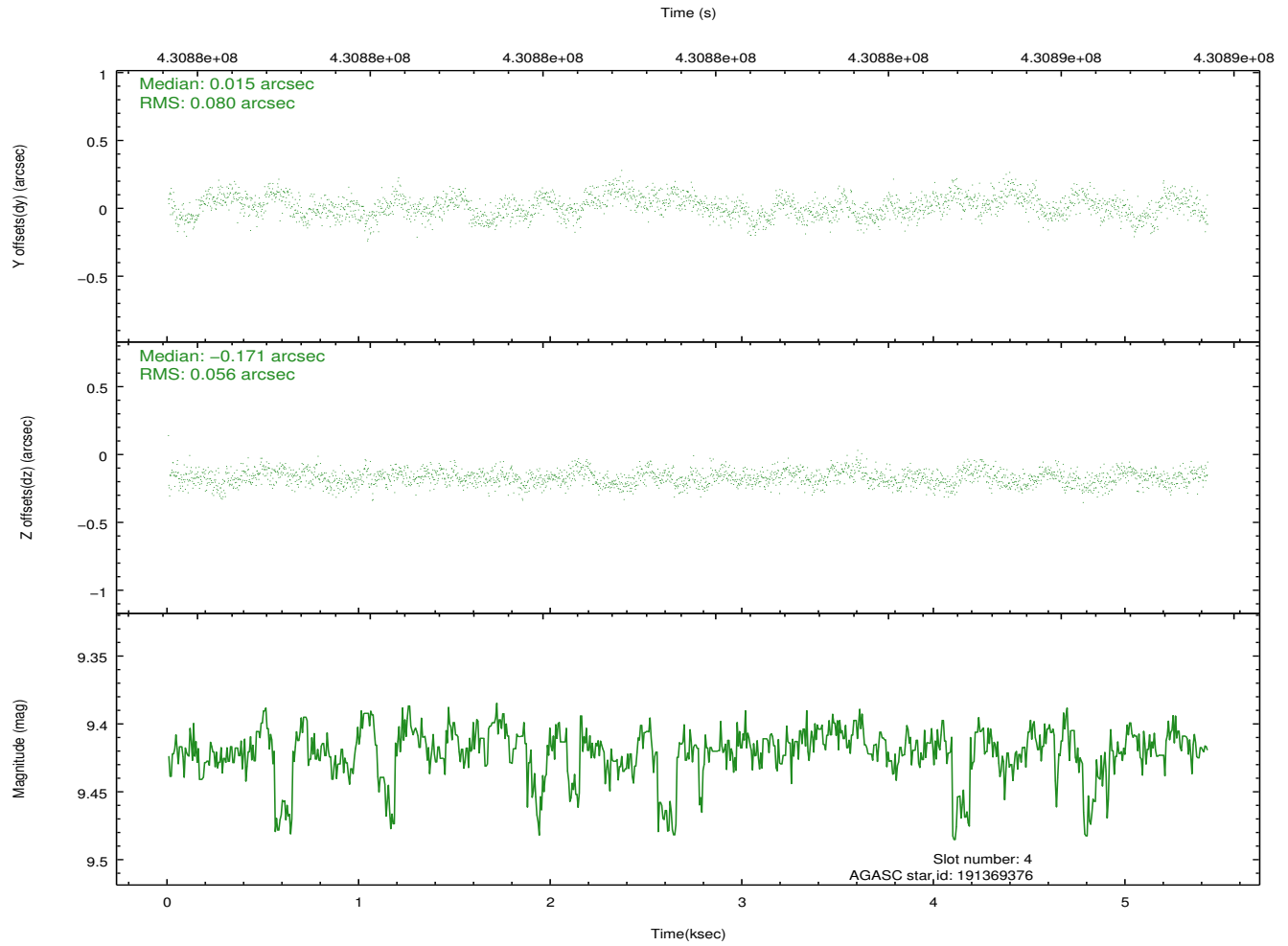
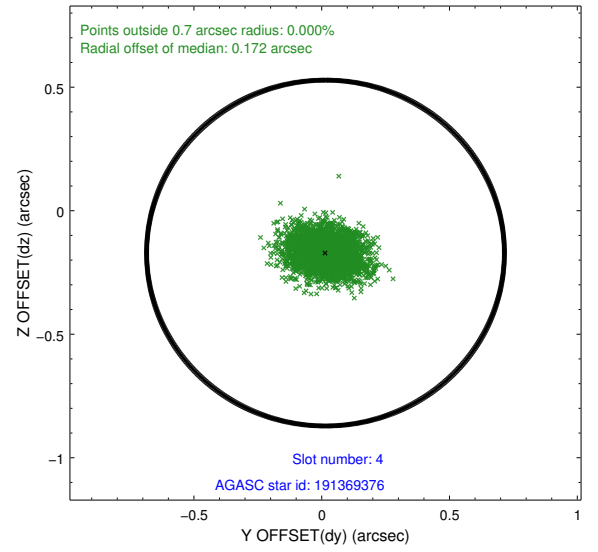
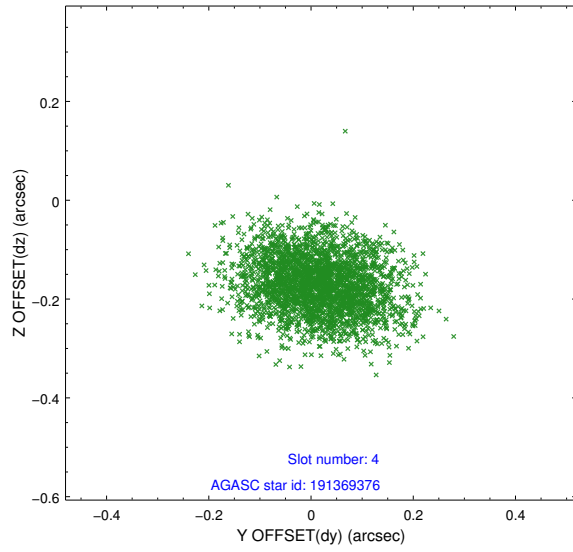
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.01	1323	0.078	-0.073	0.006	0.011	0.000000	0.000000	927.29	-839.90
1	FID	ACIS-I-5	7.01	1323	-0.220	0.071	0.006	0.011	0.000000	0.000000	-1820.47	1057.21
2	FID	ACIS-I-6	7.01	1323	0.050	0.073	0.006	0.011	0.000000	0.000000	391.63	1702.94
3	GUIDE	191367872	9.90	2644	0.149	0.034	0.189	0.320	206.695374	16.878779	2126.35	-428.59
4	GUIDE	191369376	9.42	2637	0.015	-0.171	0.104	0.171	206.887864	16.920737	1995.96	238.46
5	GUIDE	191761480	8.91	2643	0.006	-0.023	0.114	0.177	206.398691	17.742440	-1012.42	-1350.72
6	GUIDE	191765024	9.07	2646	-0.048	0.122	0.096	0.155	207.333670	17.693483	-743.01	1847.87
7	GUIDE	191766032	8.14	2646	-0.112	0.031	0.080	0.126	207.355598	17.879340	-1409.80	1942.60

2.4 Star Slots

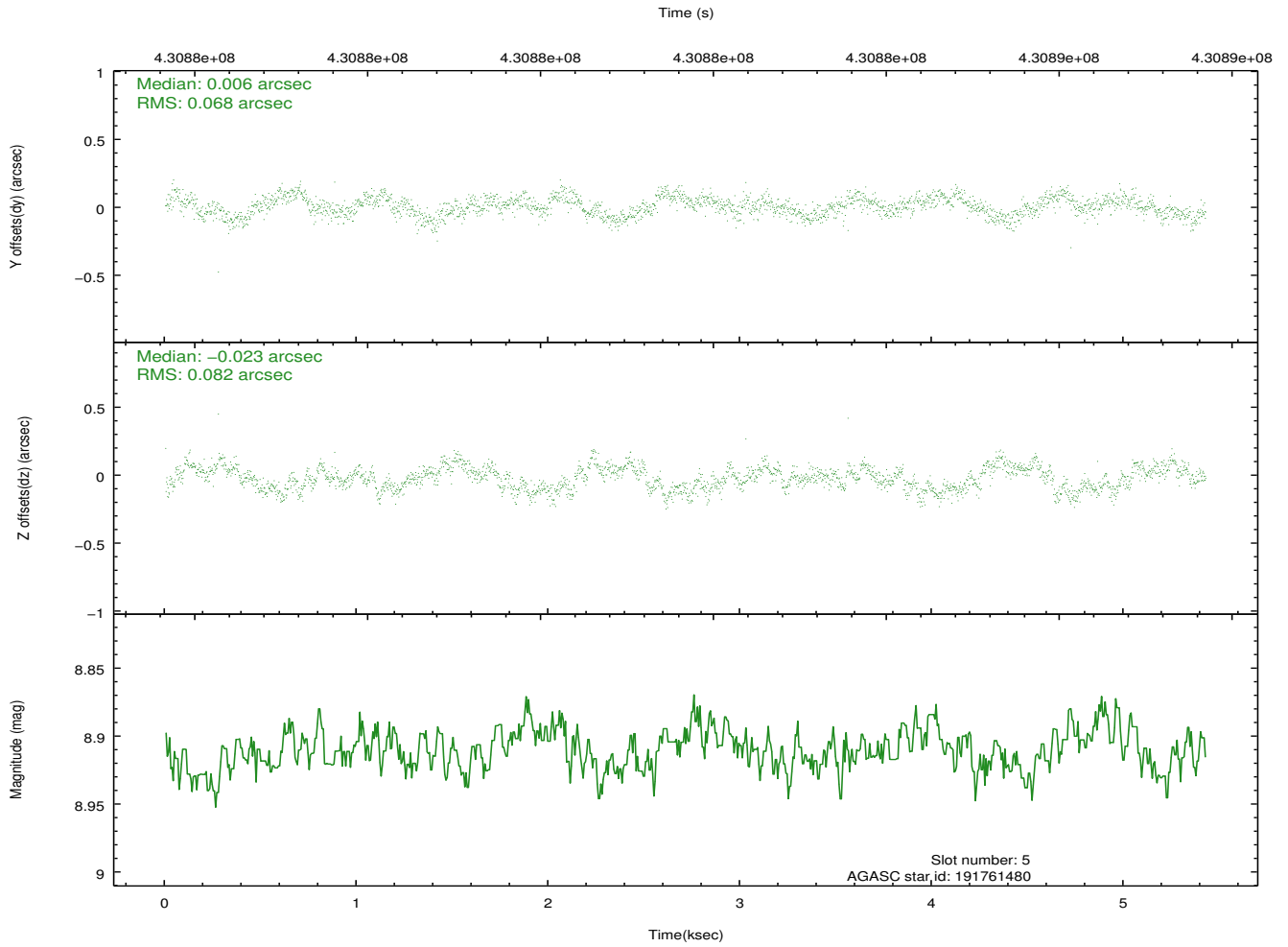
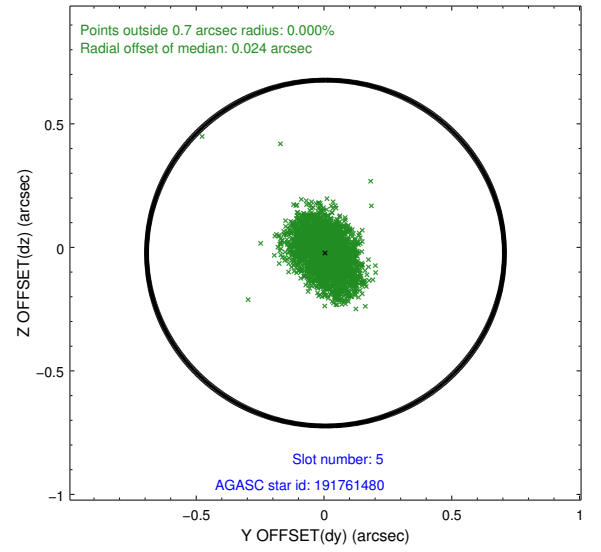
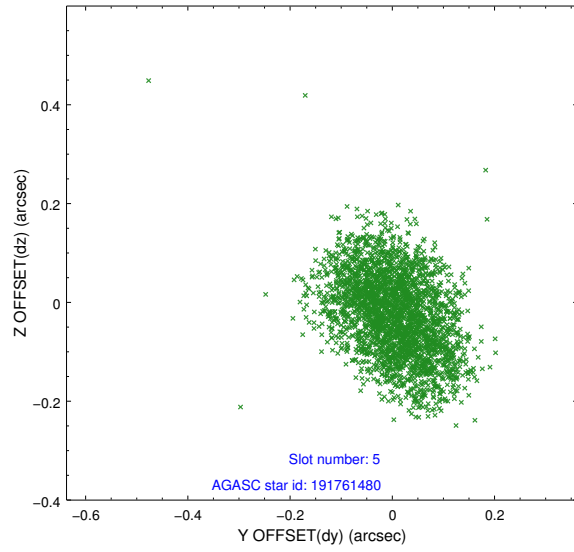
2.4.1 Slot 3



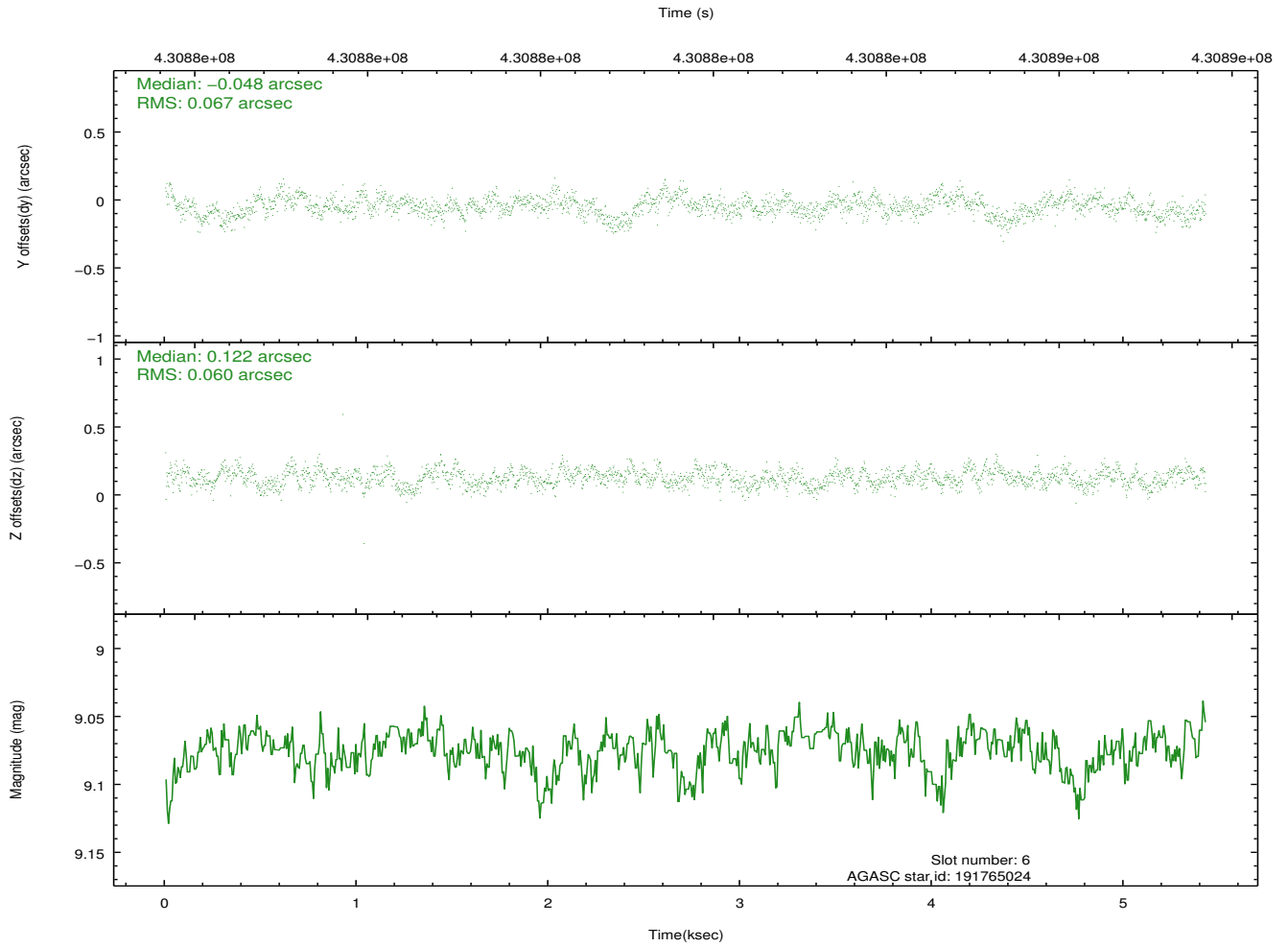
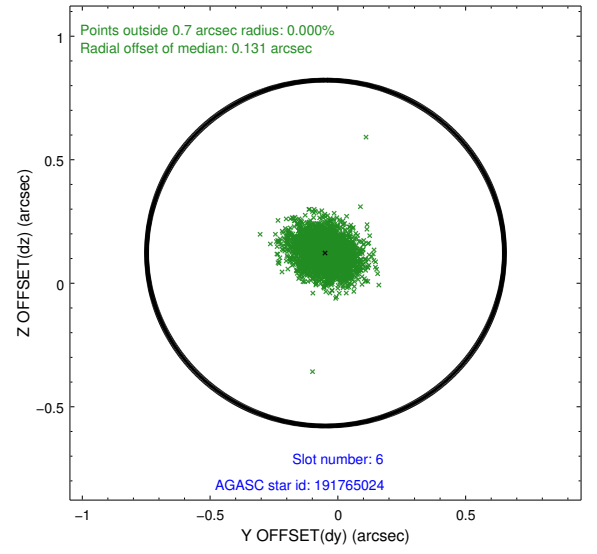
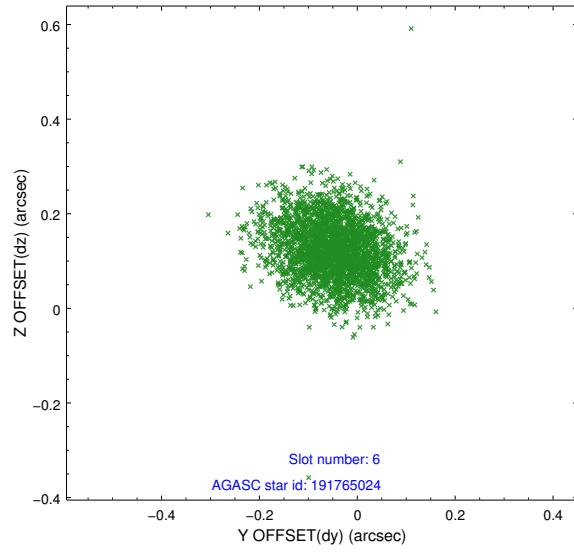
2.4.2 Slot 4



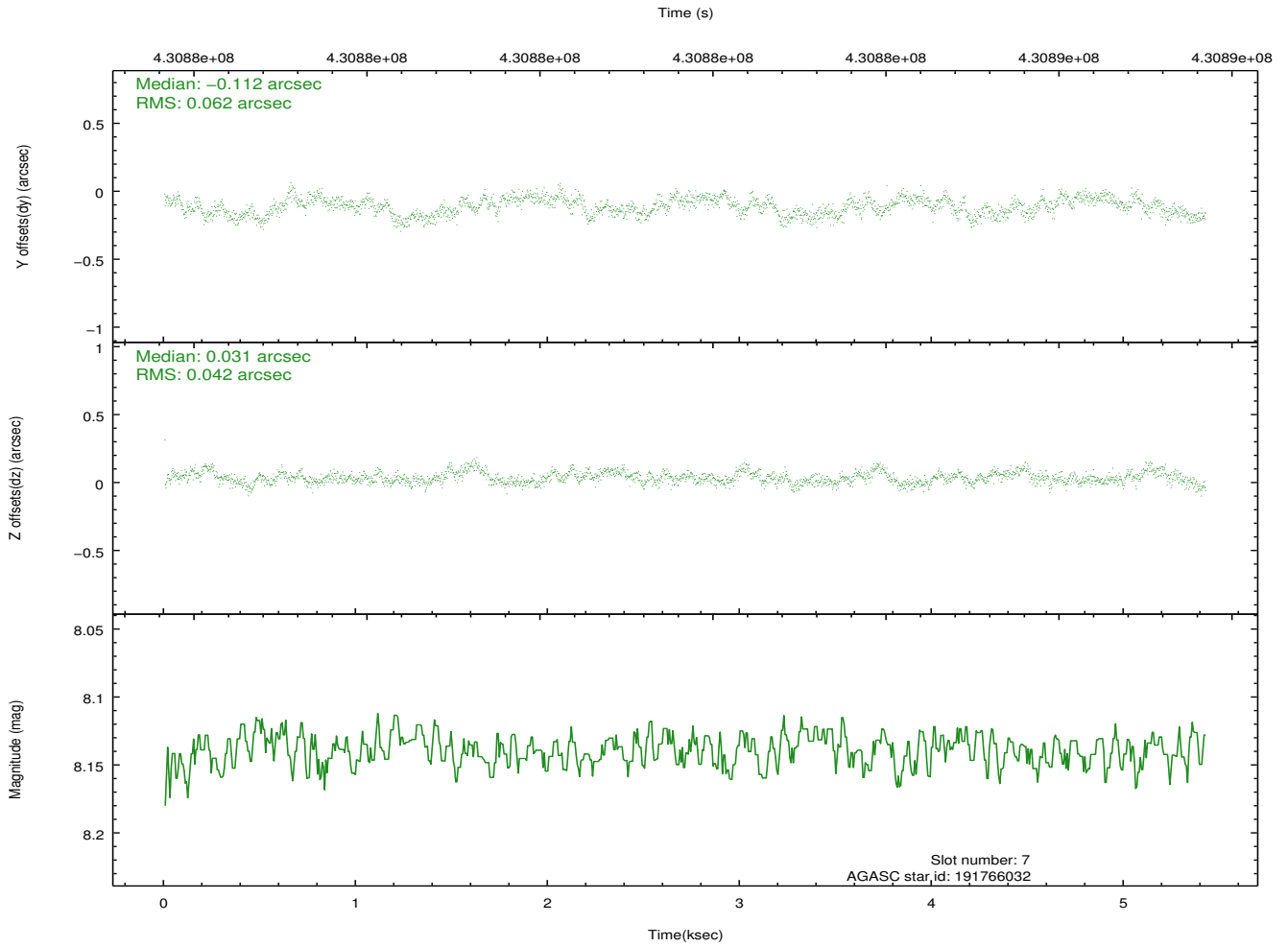
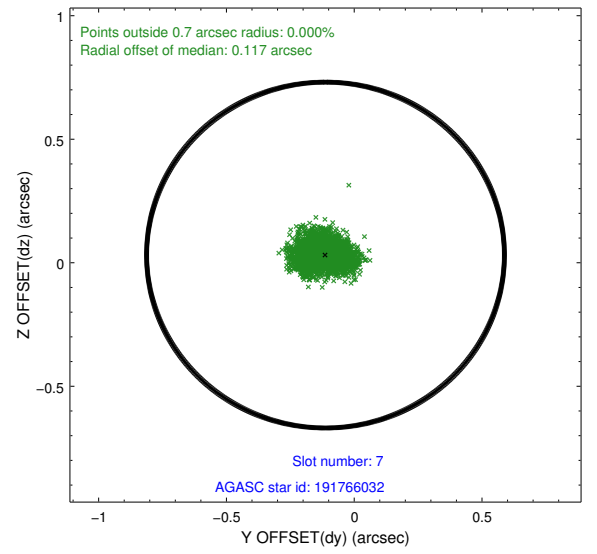
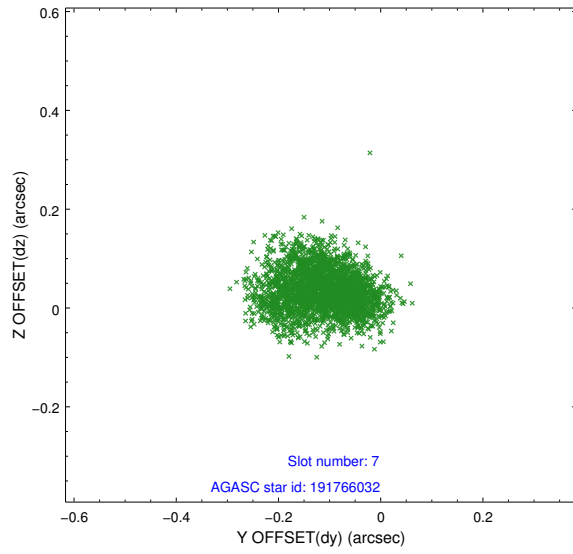
2.4.3 Slot 5



2.4.4 Slot 6

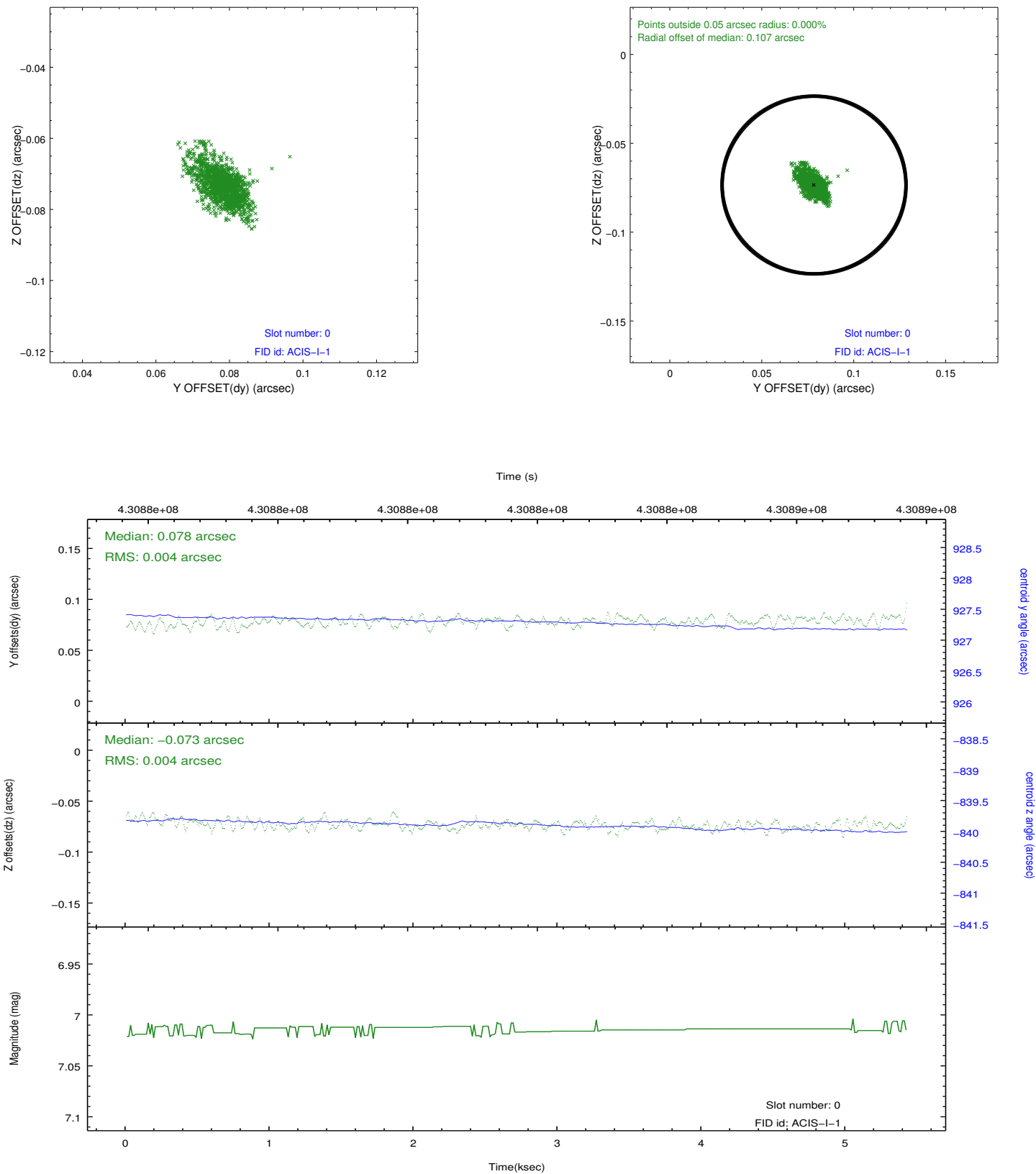


2.4.5 Slot 7

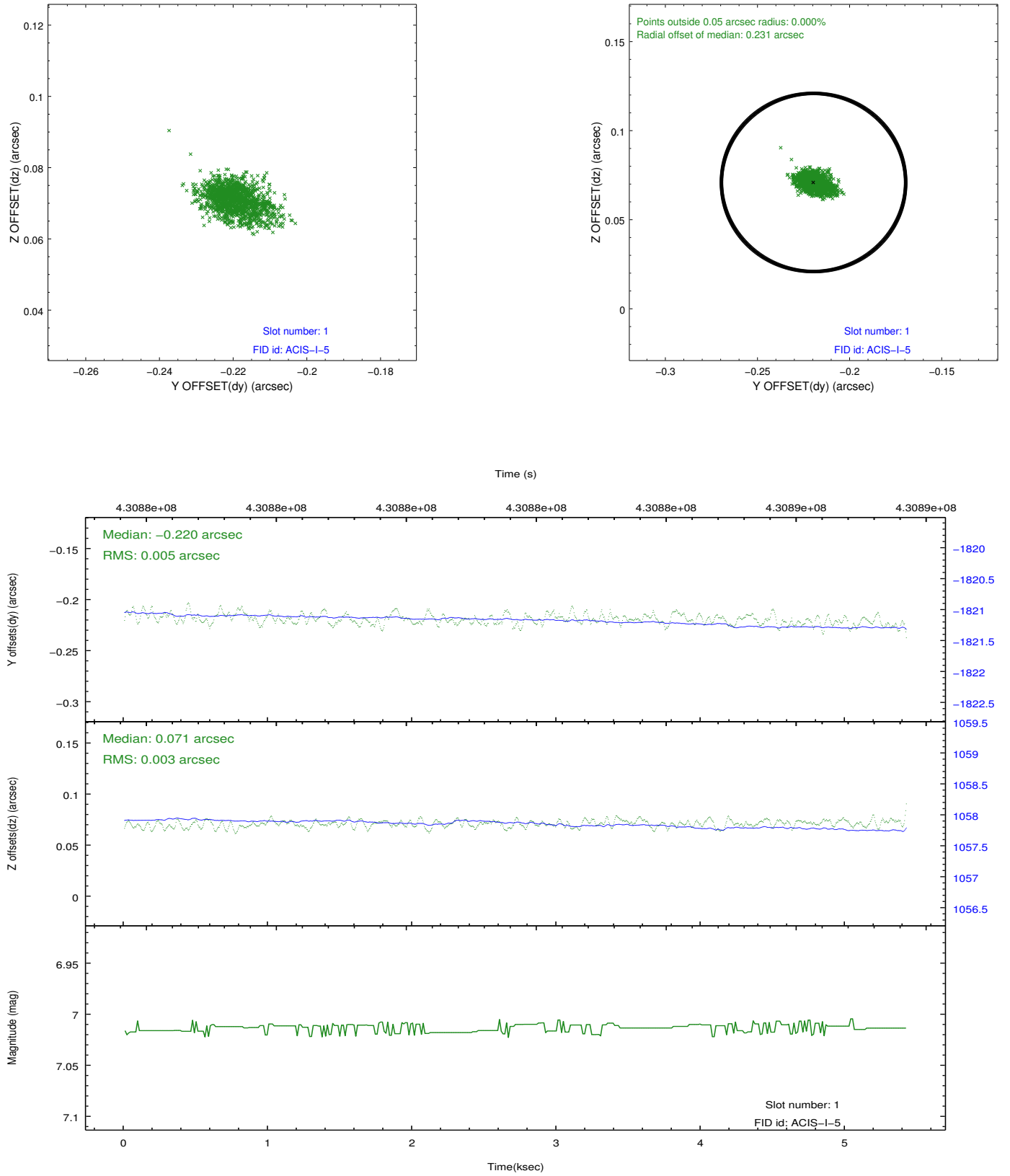


2.5 FID Slots

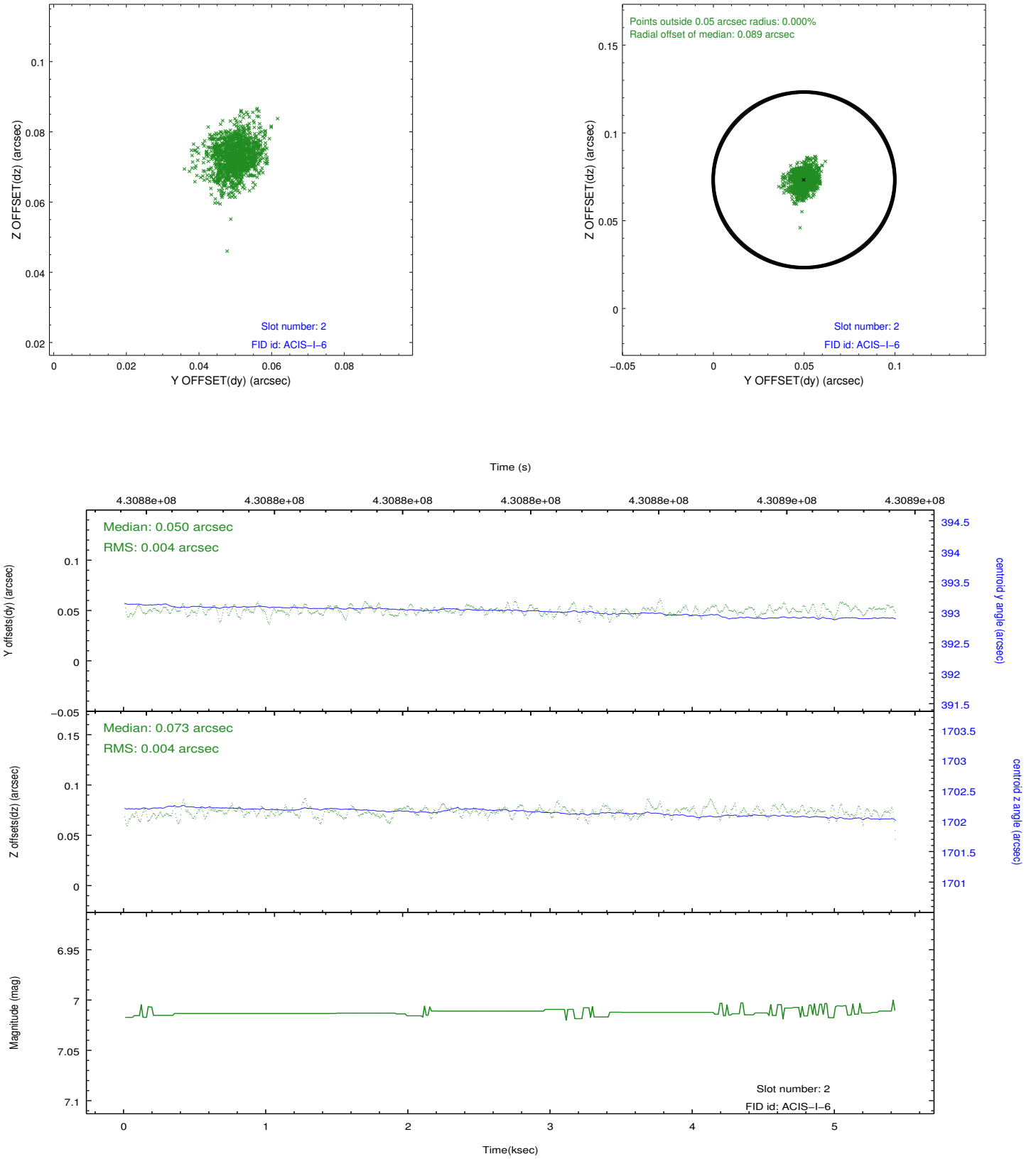
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0655999811888

A.2 Comments

Joint proposal with XMM