

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9015 - L2 Version 2
Chandra X-Ray Center

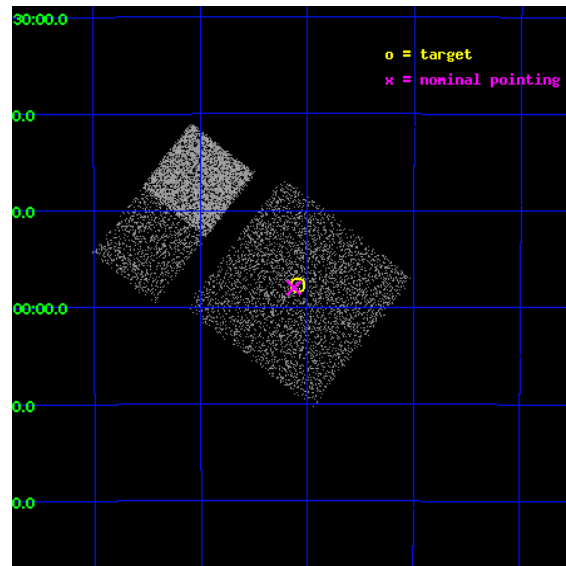
L2 Processing Date : May 17 2012

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1 Front

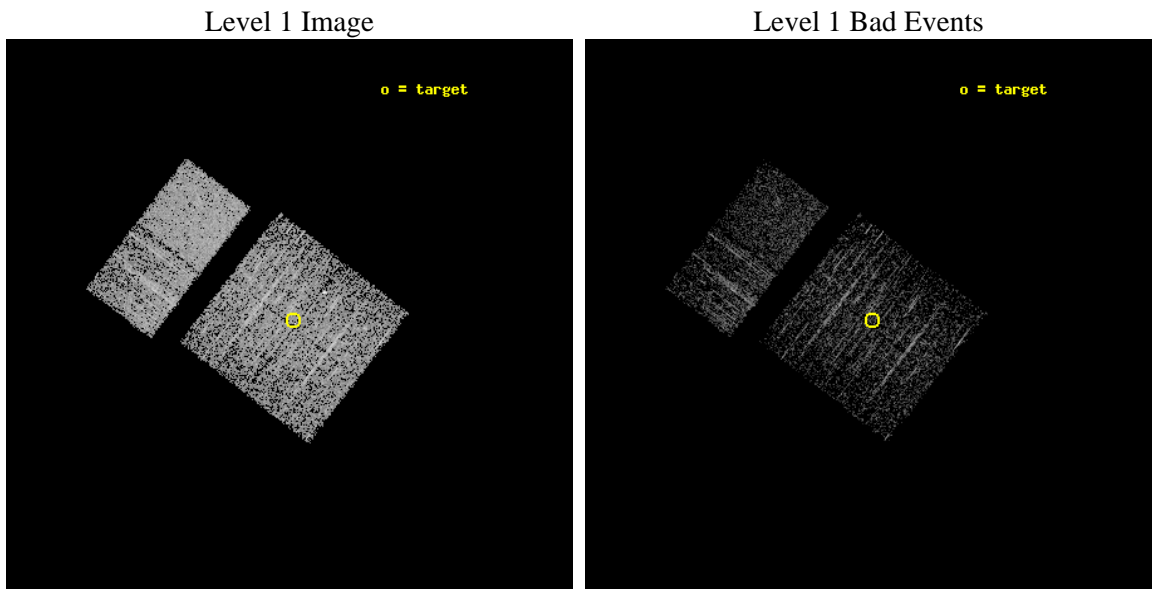
seq_num	400866	Sequence number
obs_id	9015	Observation id
title	Chandra observations of an enigmatic class of faint accreting slow pulsators	Proposal title
observer	Dr. Rudy Wijnands	Principal investigator
object	AX J1700.1-4157	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	255.022083	Observer's specified target RA [deg]
dec_targ	-41.962222	Observer's specified target Dec [deg]
ra_nom	255.03150487429	Nominal RA [deg]
dec_nom	-41.96662680323	Nominal Dec [deg]
roll_nom	307.71459430156	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1132.7999958396	Sum of GTIs [s]
livetime	1118.455800202	Livetime [s]
ontime0	1132.7999958396	Sum of GTIs [s]
ontime1	1132.7999958396	Sum of GTIs [s]
ontime2	1132.7999958396	Sum of GTIs [s]
ontime3	1132.7999958396	Sum of GTIs [s]
ontime6	1132.7999958396	Sum of GTIs [s]
ontime7	1132.7999958396	Sum of GTIs [s]
l2events	11783	Number of level 2 events



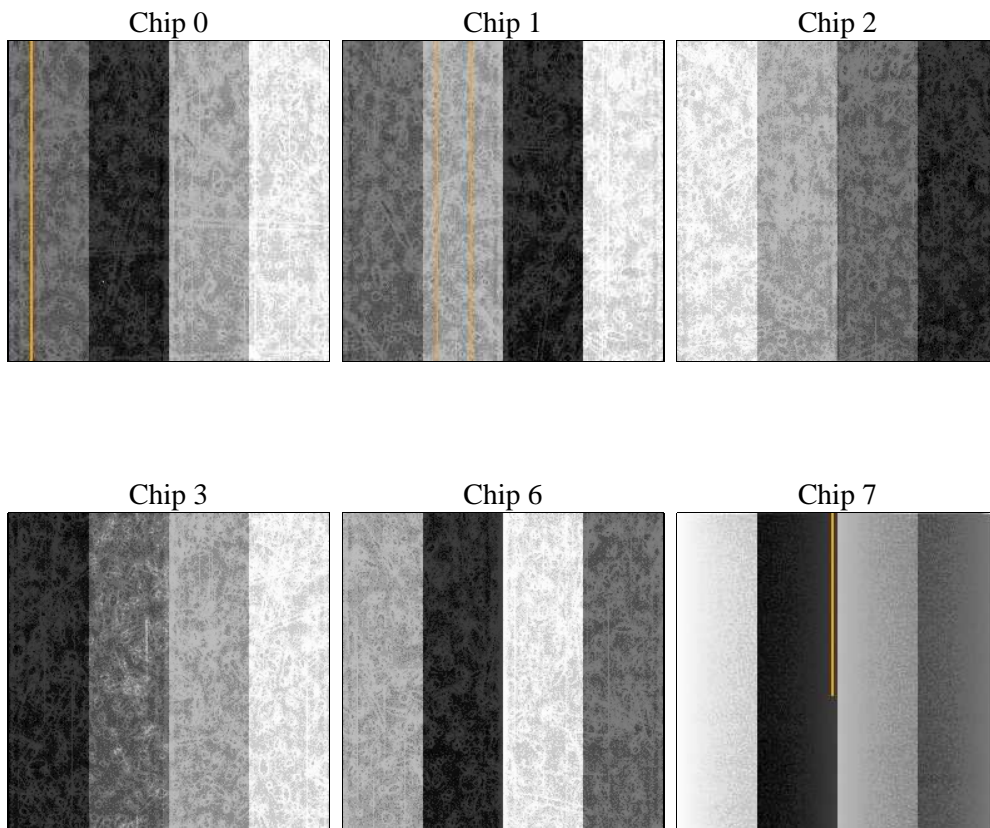
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	1132.7999958396	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	1132.7999958396	Sum of GTIs [s]
date	2012-05-17T03:52:00	Date and time of file creation	ontime1	1132.7999958396	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1132.7999958396	Sum of GTIs [s]
			ontime3	1132.7999958396	Sum of GTIs [s]
			ontime6	1132.7999958396	Sum of GTIs [s]
			ontime7	1132.7999958396	Sum of GTIs [s]
			l1events	82044	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	11248	12819	12165	13131	14352	18329
rejected events	9920	10998	10877	11719	13030	12277
rejected %	88%	85%	89%	89%	90%	66%

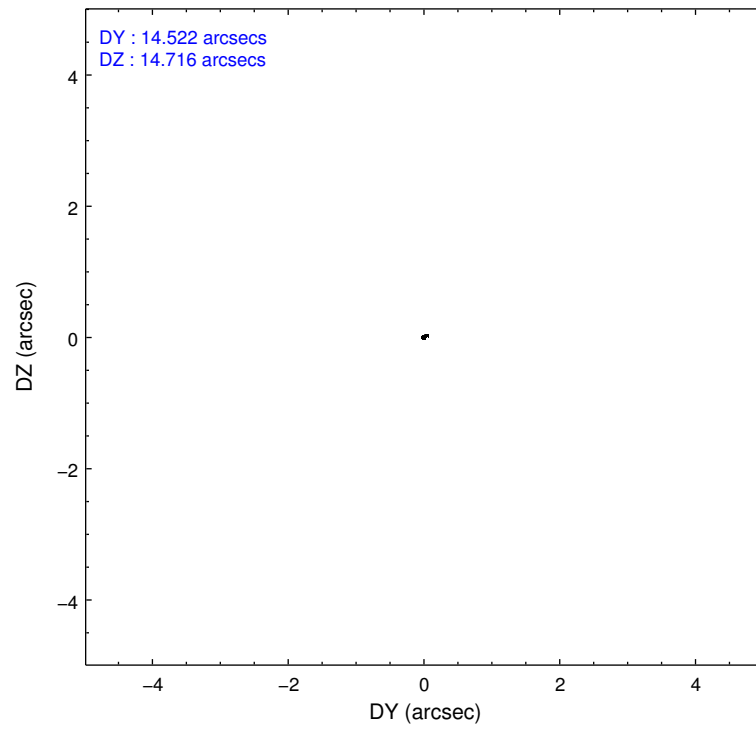
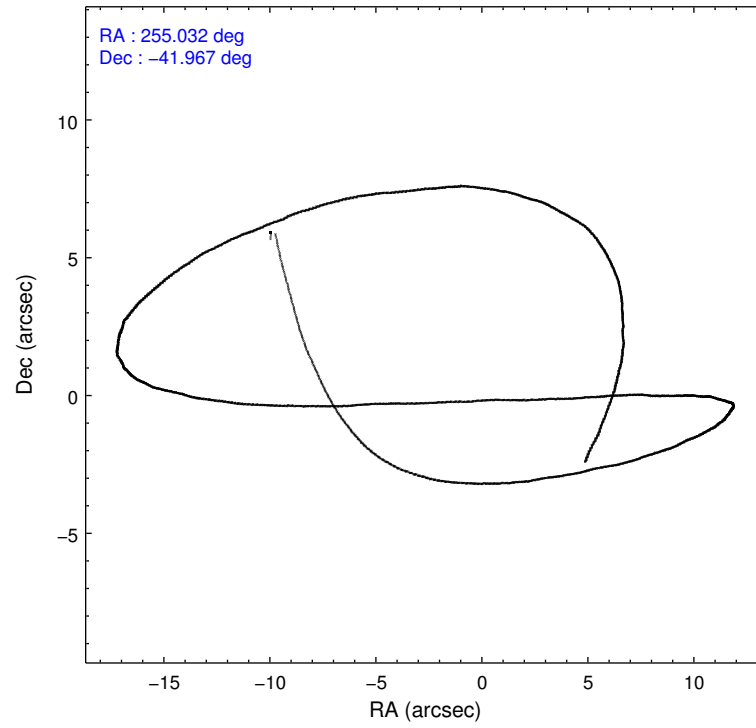
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	687	709	675	797	638	618
	6%	5%	5%	6%	4%	3%
grade 1 events	6	6	11	10	10	21
	0%	0%	0%	0%	0%	0%
grade 2 events	368	853	329	320	353	1628
	3%	6%	2%	2%	2%	8%
grade 3 events	148	176	149	165	134	621
	1%	1%	1%	1%	0%	3%
grade 4 events	137	160	146	170	145	576
	1%	1%	1%	1%	1%	3%
grade 5 events	545	613	537	594	672	1706
	4%	4%	4%	4%	4%	9%
grade 6 events	281	319	272	281	354	4033
	2%	2%	2%	2%	2%	22%
grade 7 events	9076	9983	10046	10794	12046	9126
	80%	77%	82%	82%	83%	49%

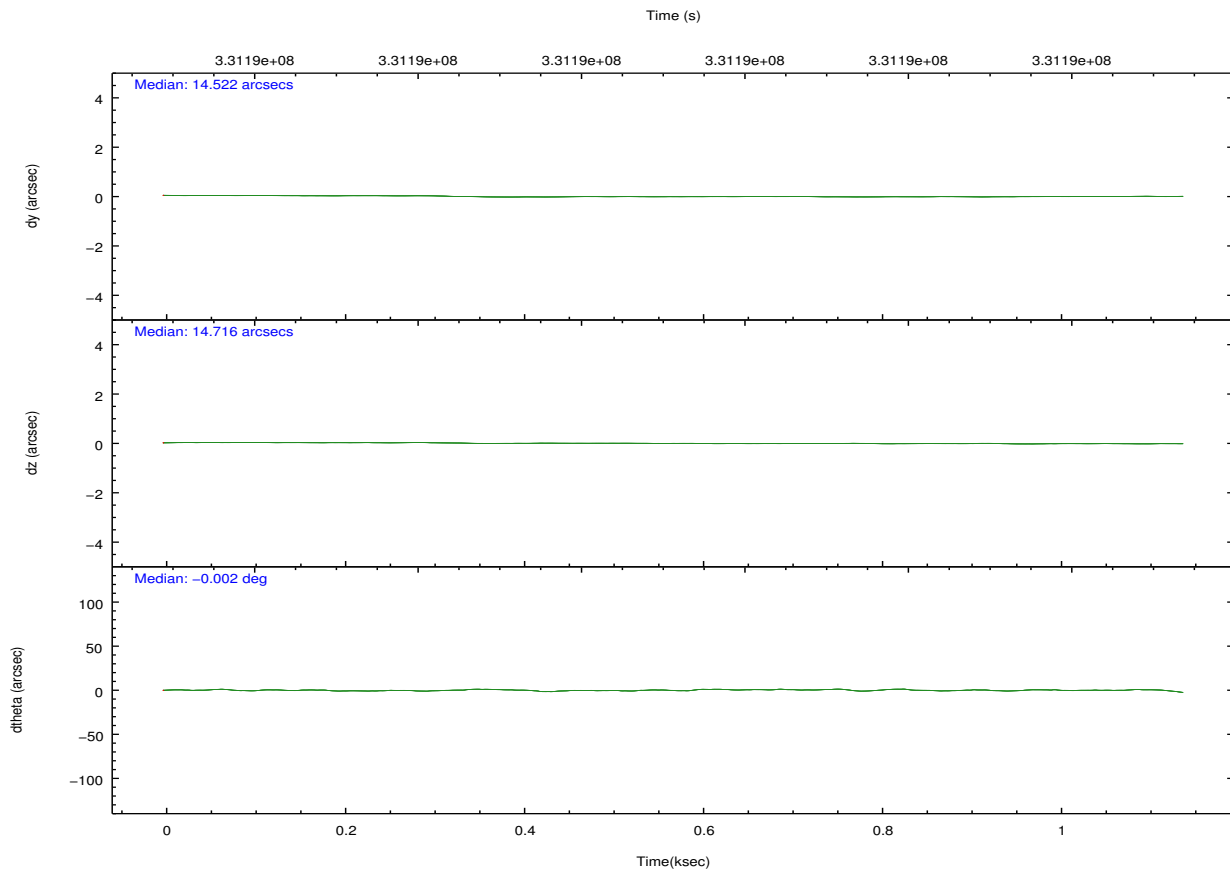
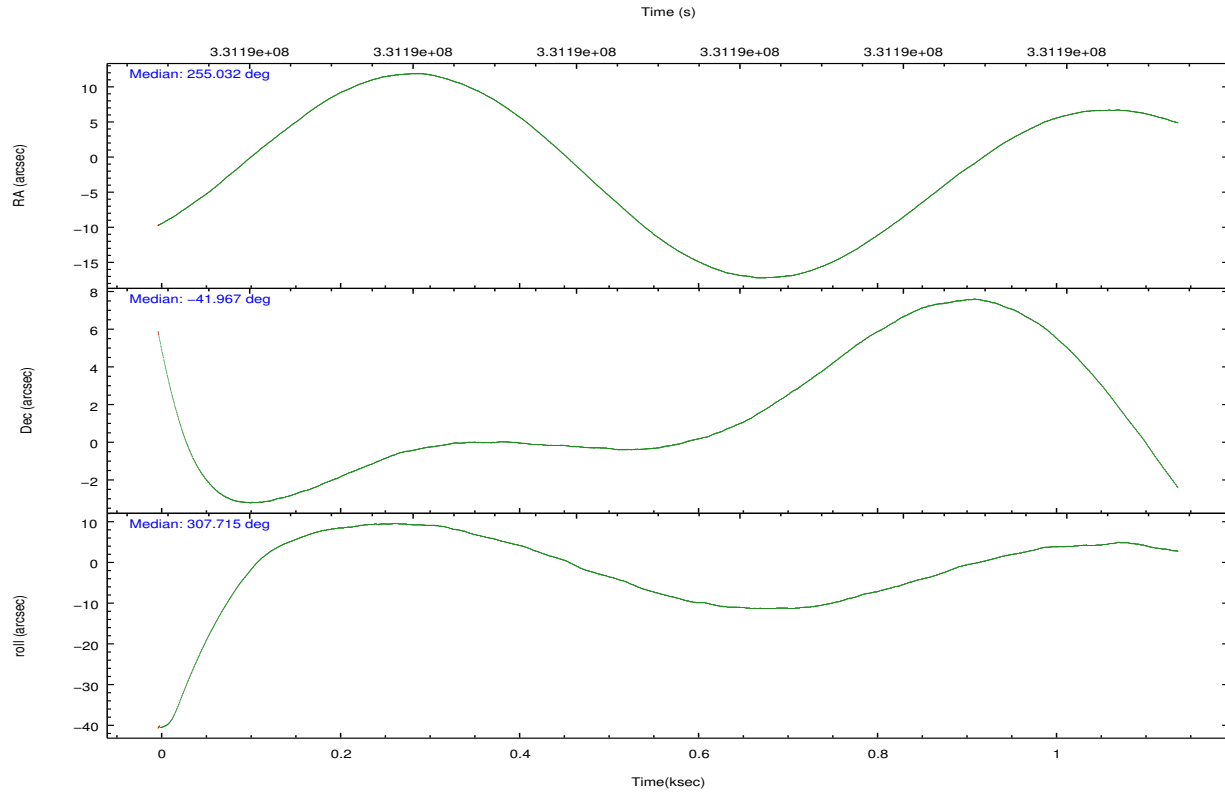
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	254.996722	255.0315048742878
[deg] Pointing Dec	-41.956526	-41.96662680322987
[deg] Pointing Roll	307.483042	307.7145943015639
[mm] SIM focus pos	-0.782348	-0.7809083437167272
[mm] SIM defocus	0	0.001439871863259334
[mm] SIM translation stage pos	-233.592463	-233.5874344608287
[mm] SIM translation stage offset	0	-0.005018542100998502
[s] Observation start time (MET)	331187687.184000	331186366.6646
Observation start date	2008-06-30T04:33:42	2008-06-30T04:12:46
[s] Observation end time (MET)	331188687.184000	331189504.18975
Observation end date	2008-06-30T04:50:22	2008-06-30T05:05:04
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	Y	Y
CCD I1 on	Y	Y
CCD I2 on	Y	Y
CCD I3 on	Y	Y
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	O1	Y
CCD S3 on	O2	Y
CCD S4 on	N	N
CCD S5 on	N	N
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



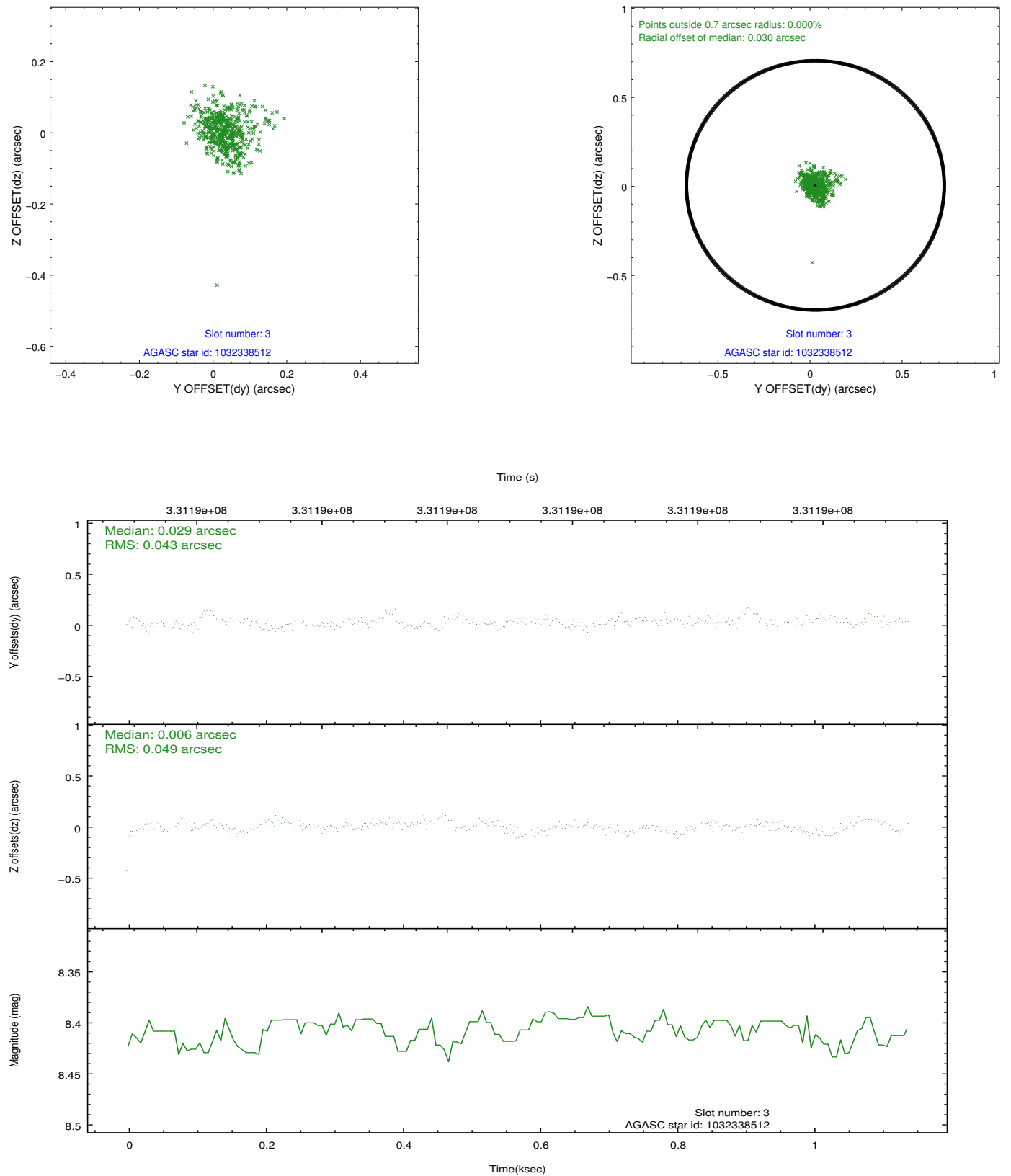


Slot Statistics

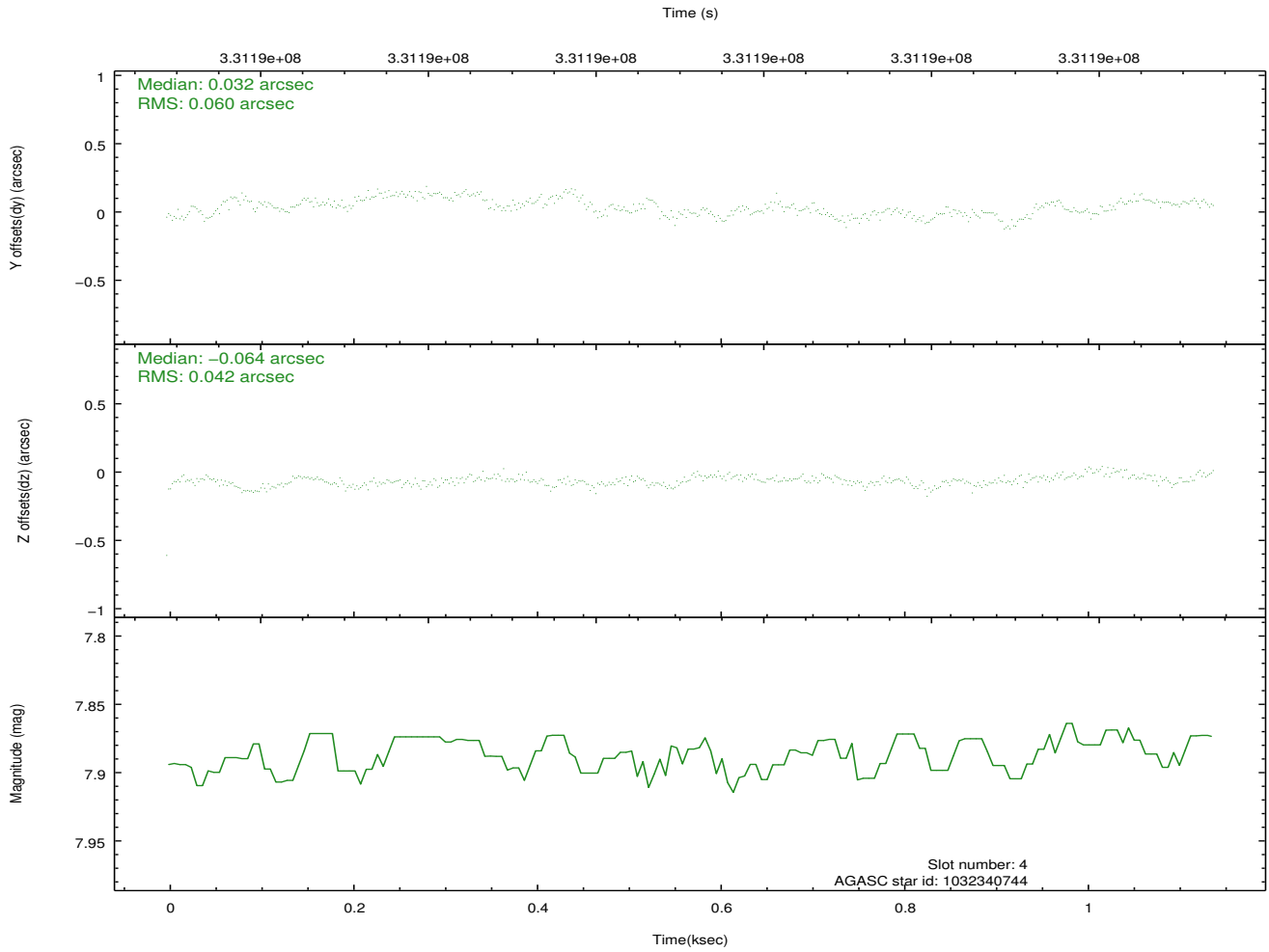
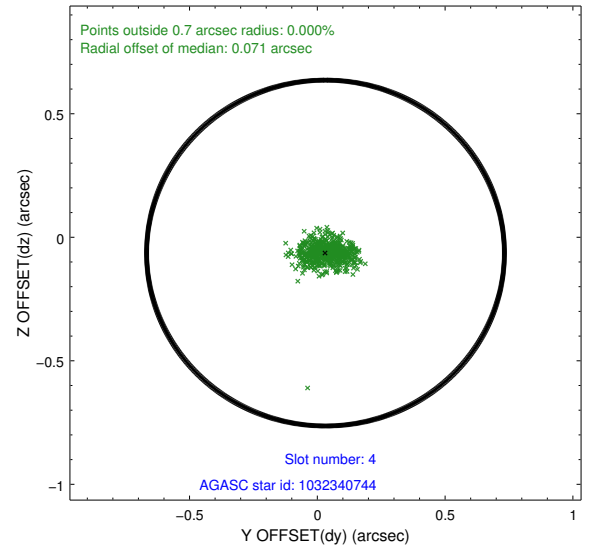
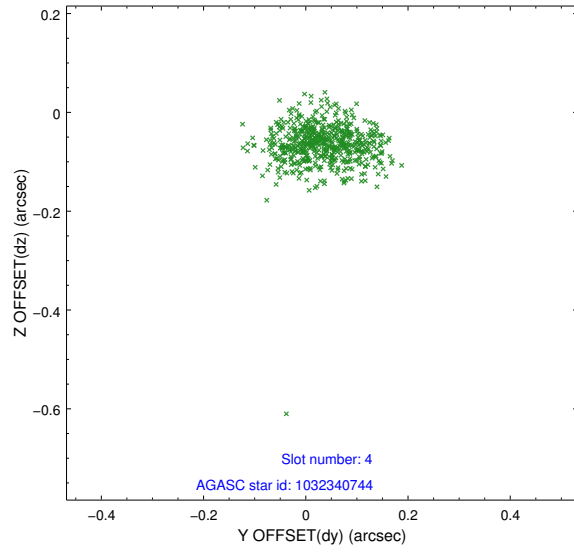
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	279	-0.015	0.090	0.008	0.013	0.000000	0.000000	924.92	-838.23
1	FID	ACIS-I-2	6.97	279	-0.105	-0.078	0.009	0.014	0.000000	0.000000	-766.03	-847.75
2	FID	ACIS-I-6	7.06	279	0.029	0.055	0.008	0.013	0.000000	0.000000	387.95	1700.60
3	GUIDE	1032338512	8.41	557	0.029	0.006	0.065	0.114	254.833160	-41.405214	-1843.37	855.49
4	GUIDE	1032340744	7.89	557	0.032	-0.064	0.077	0.119	254.712738	-41.416040	-2012.97	574.93
5	GUIDE	1032340976	7.81	557	0.035	0.109	0.055	0.099	254.202894	-41.913283	-1413.50	-1599.21
6	GUIDE	1032454880	7.85	557	-0.121	-0.102	0.081	0.122	255.805803	-42.215139	2056.83	1134.73
7	GUIDE	1032456032	8.37	556	0.009	0.051	0.064	0.104	256.011351	-42.138769	2185.16	1741.02

2.4 Star Slots

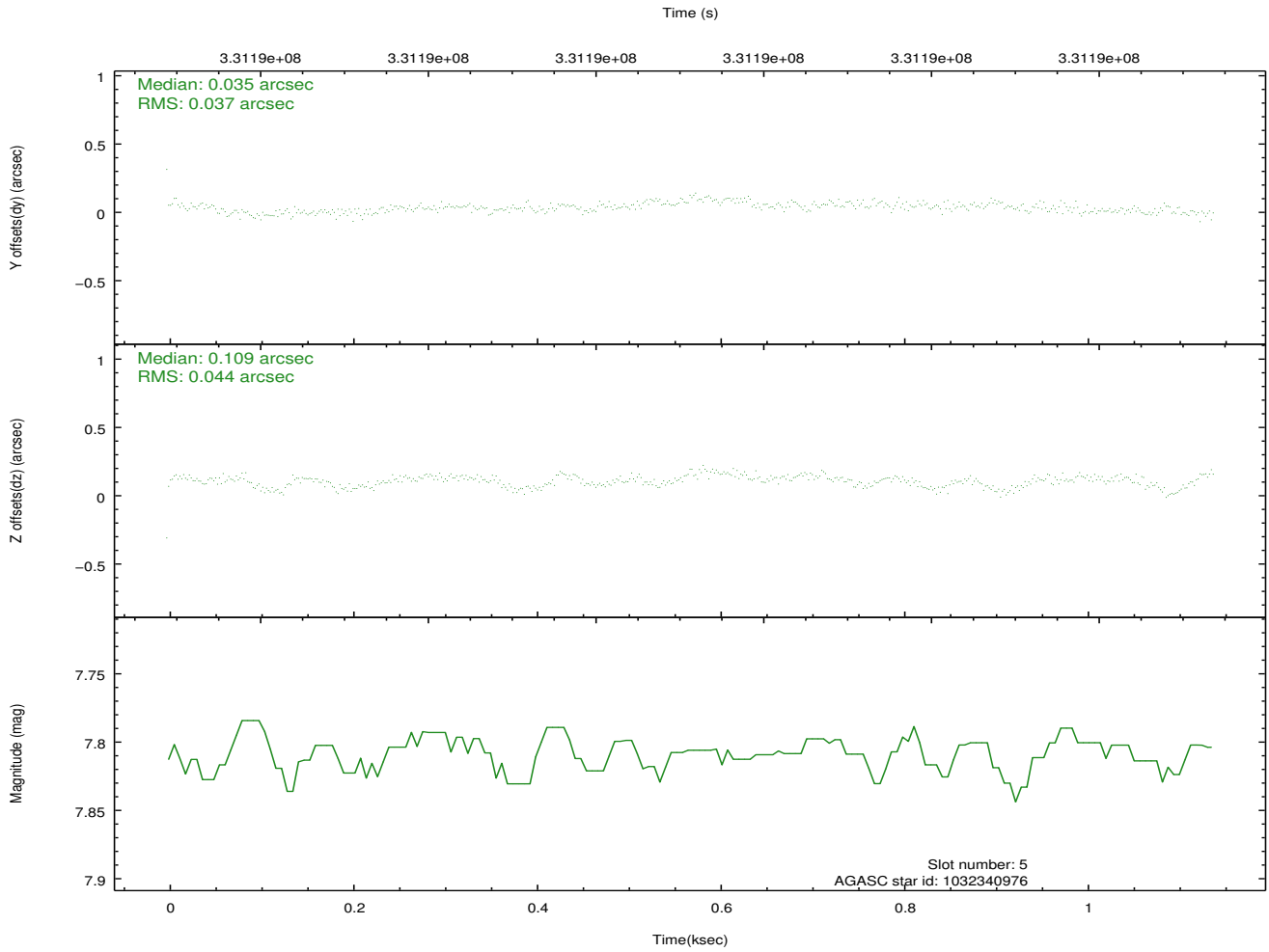
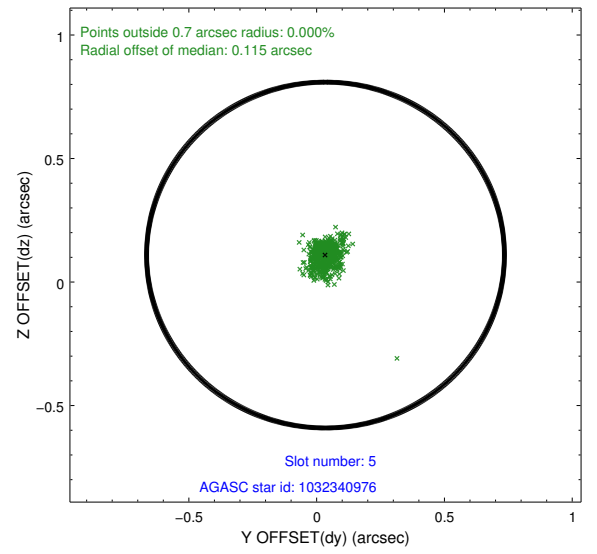
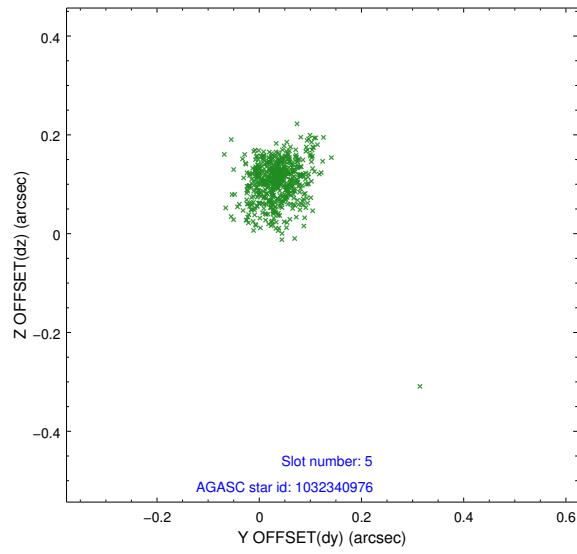
2.4.1 Slot 3



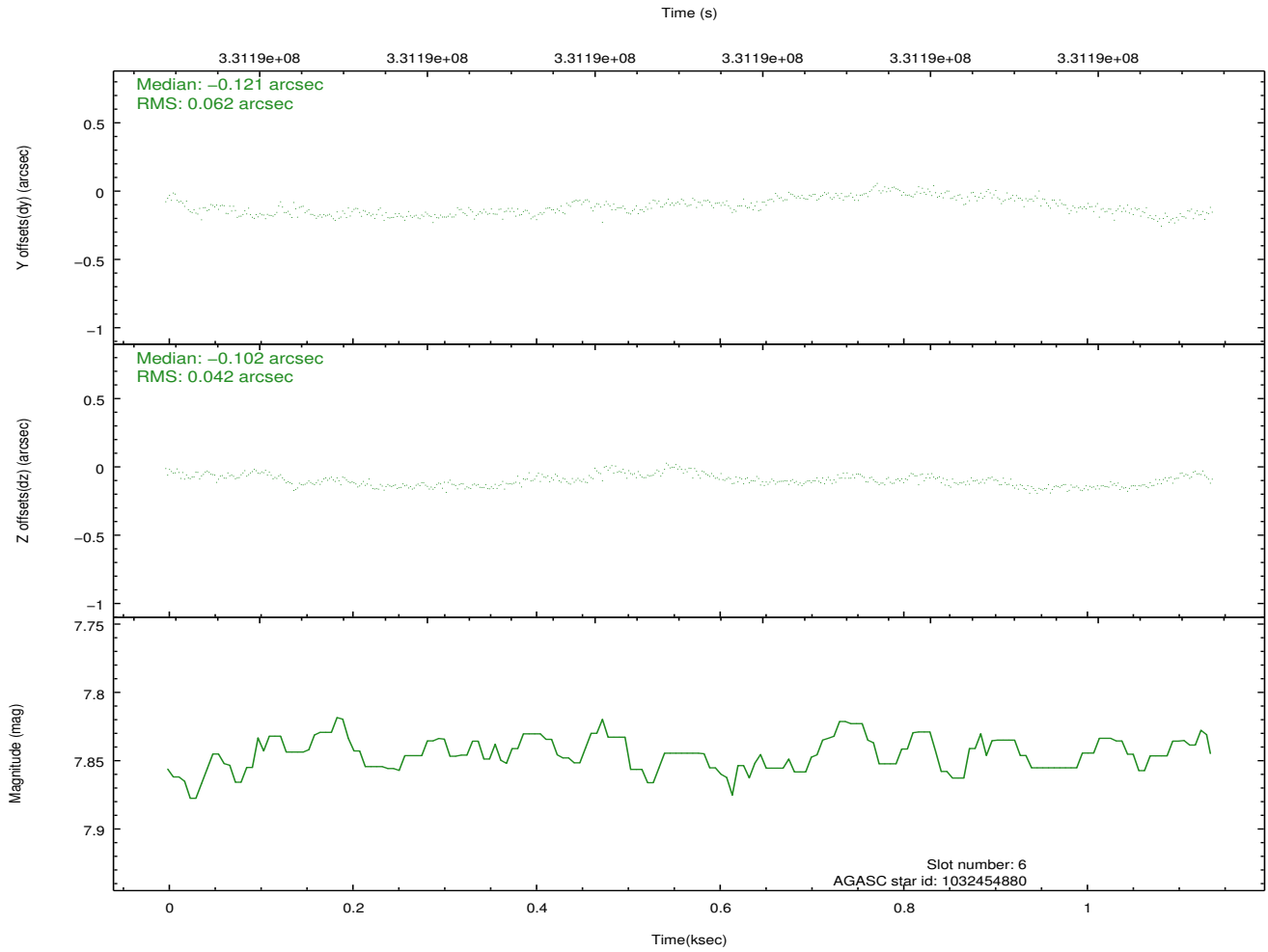
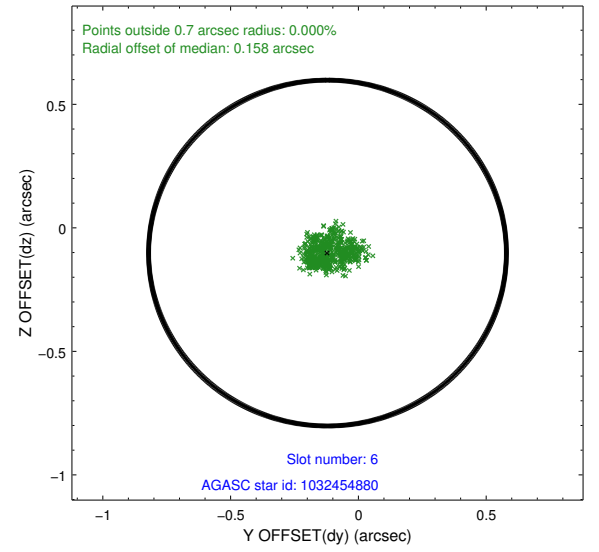
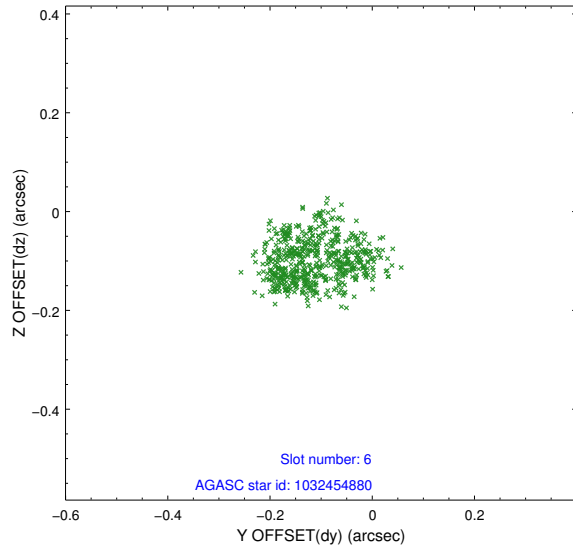
2.4.2 Slot 4



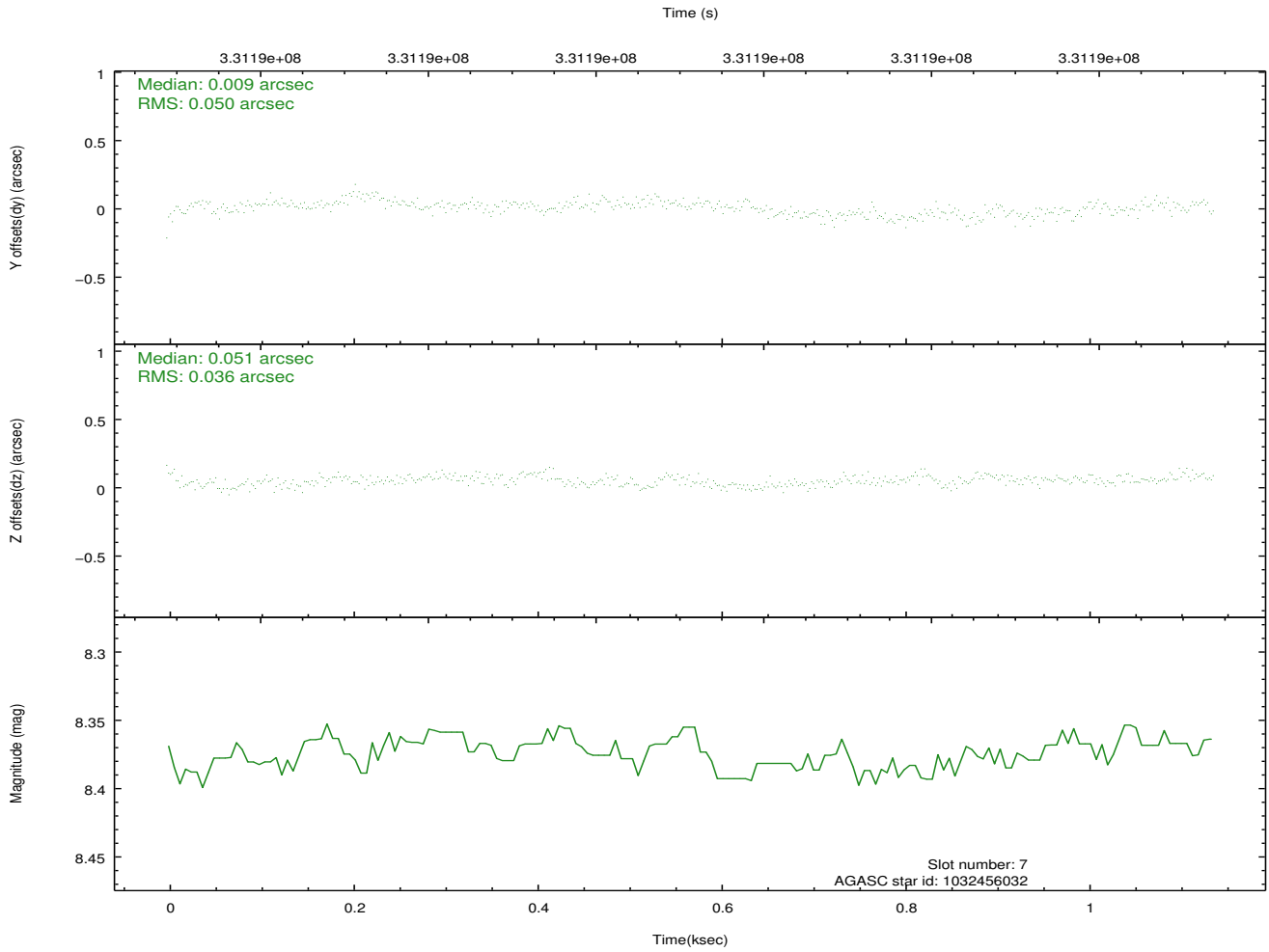
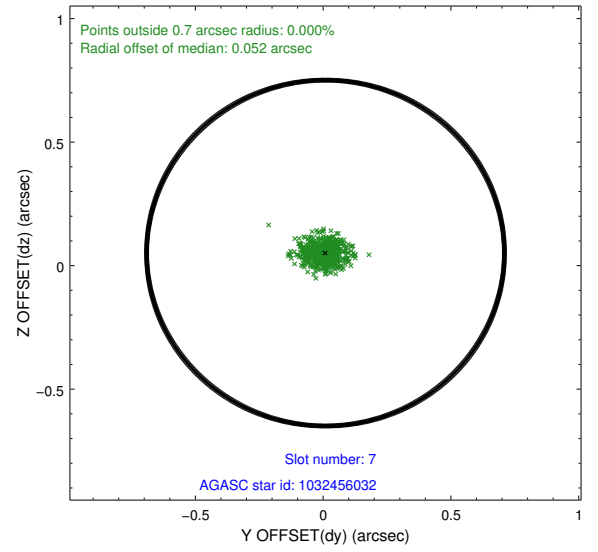
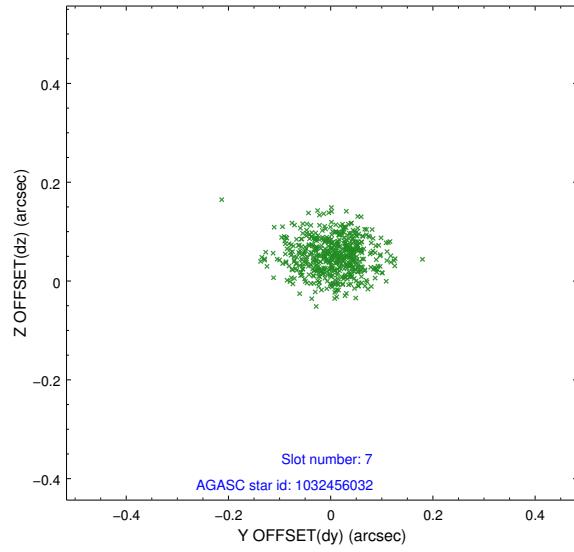
2.4.3 Slot 5



2.4.4 Slot 6

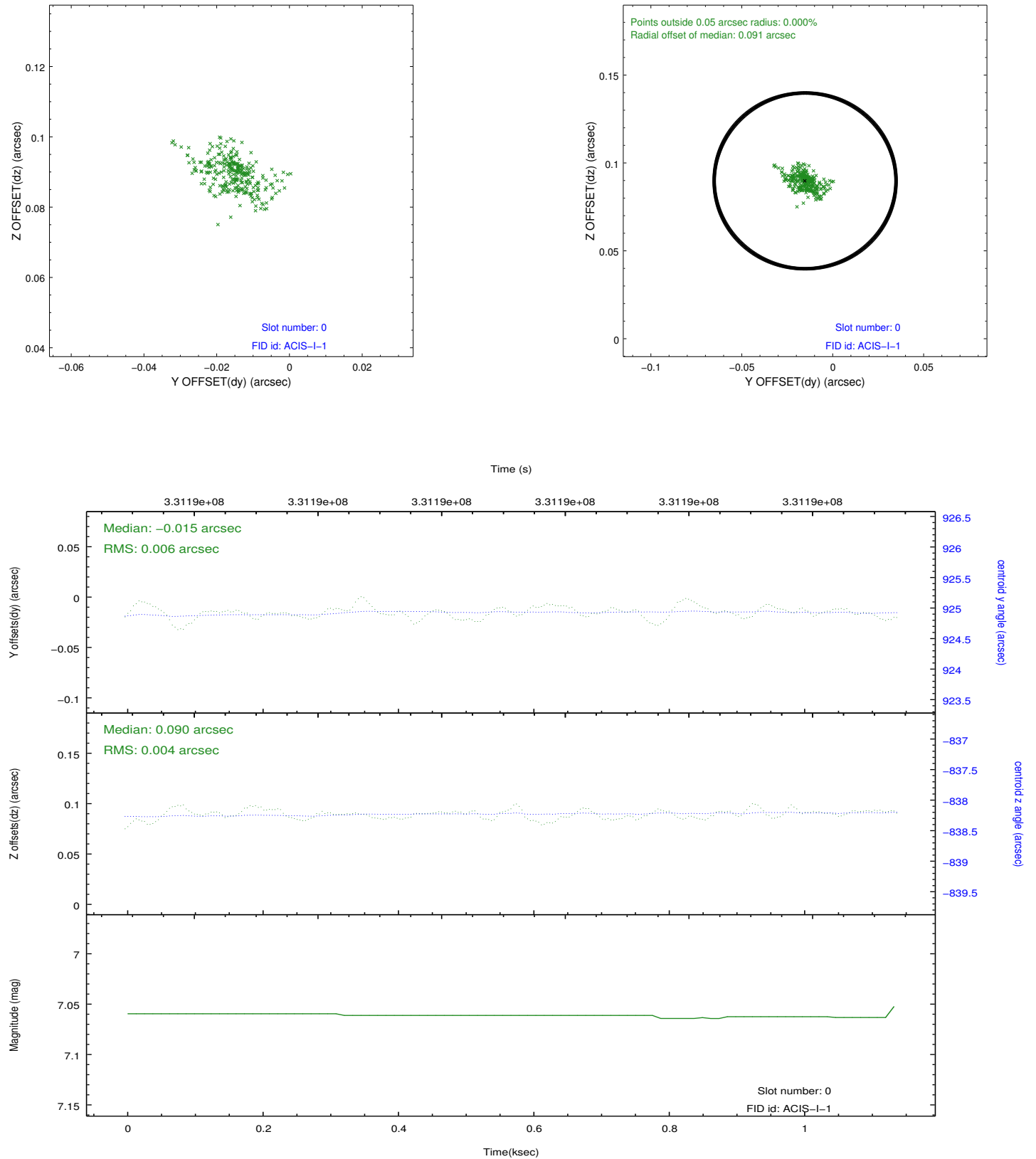


2.4.5 Slot 7

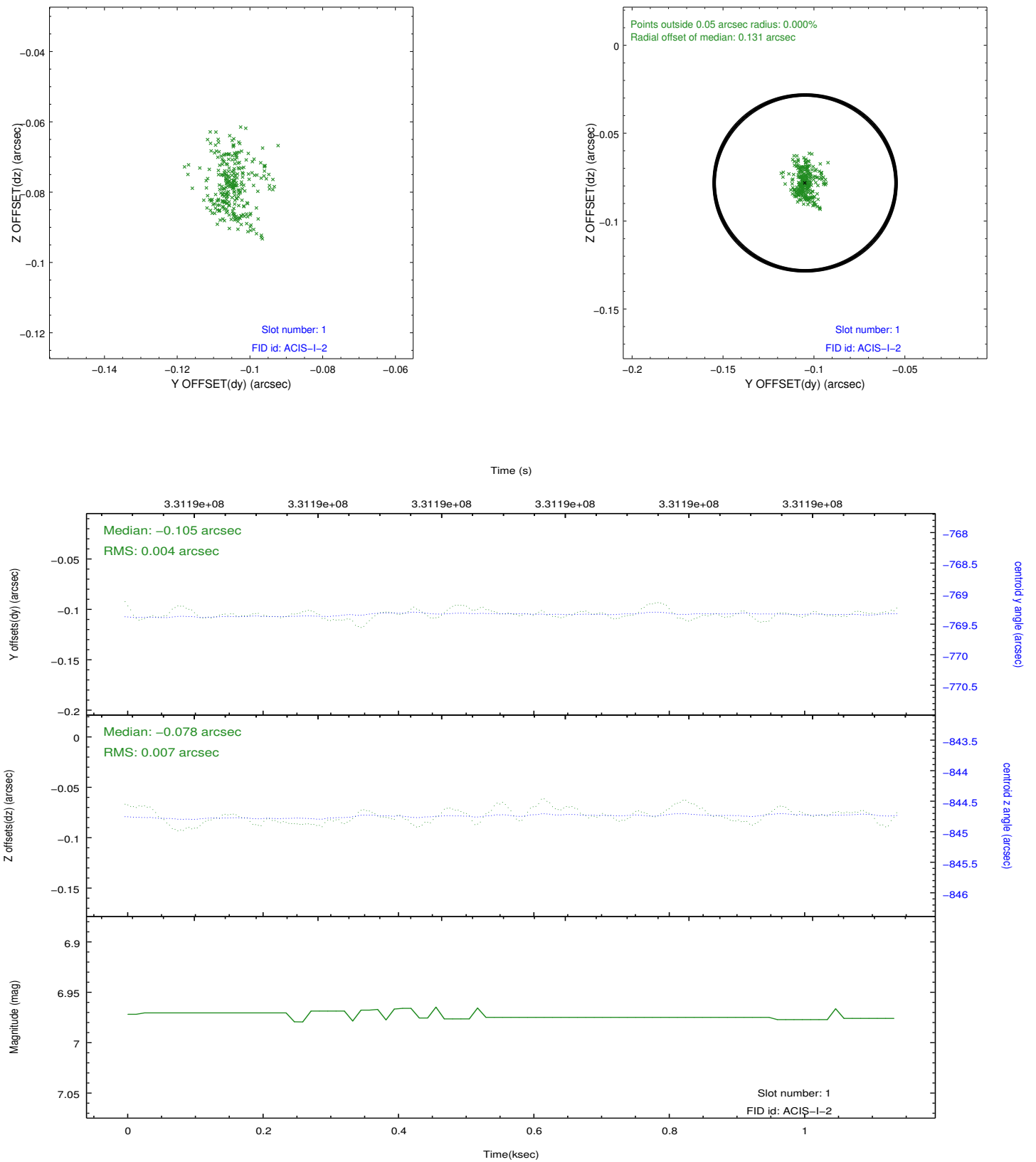


2.5 FID Slots

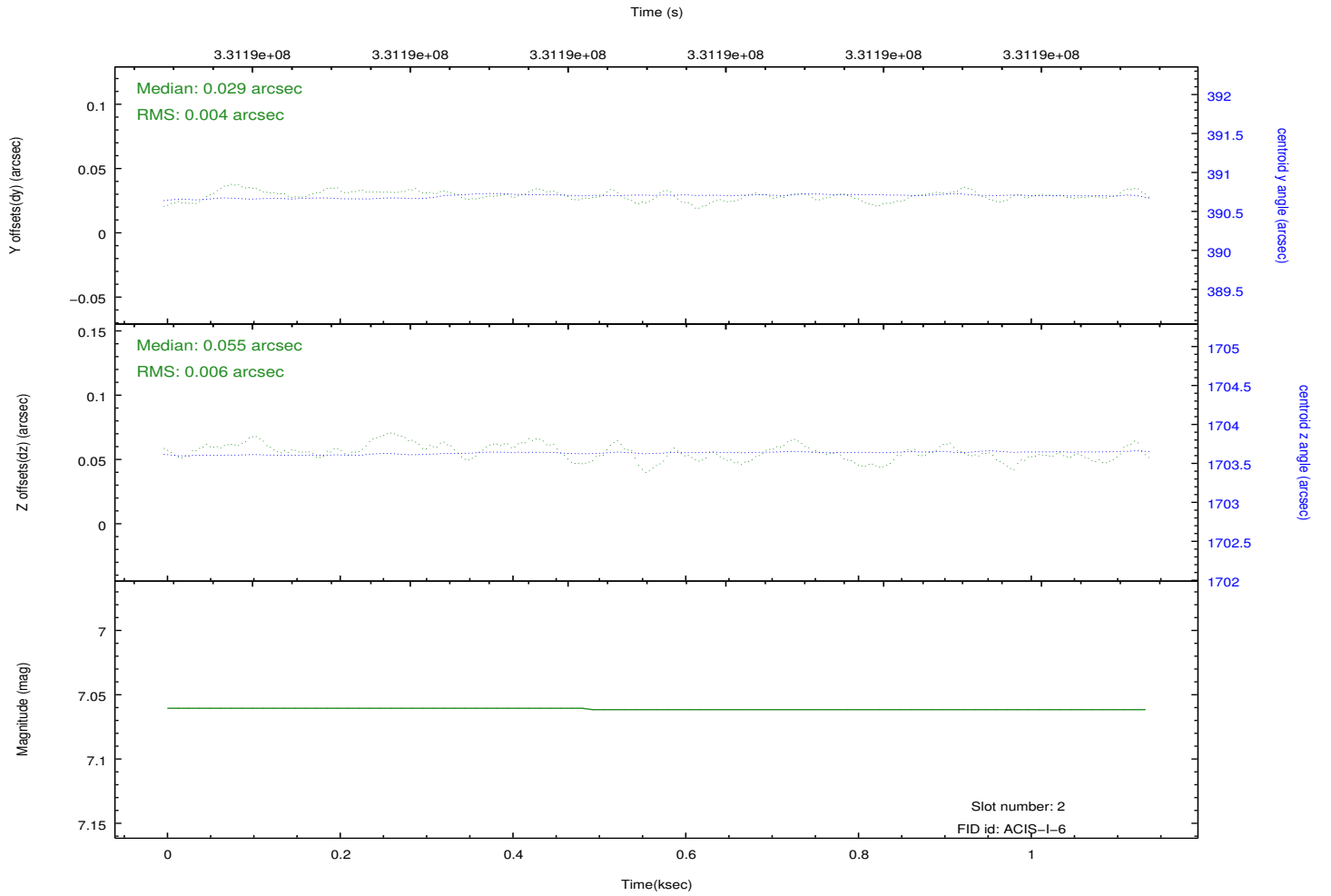
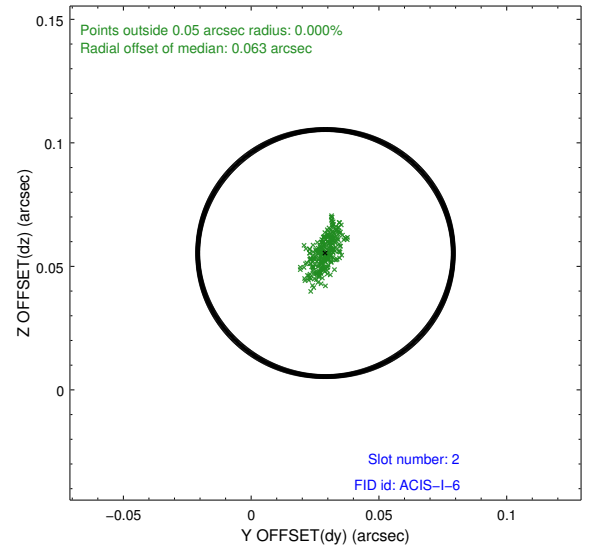
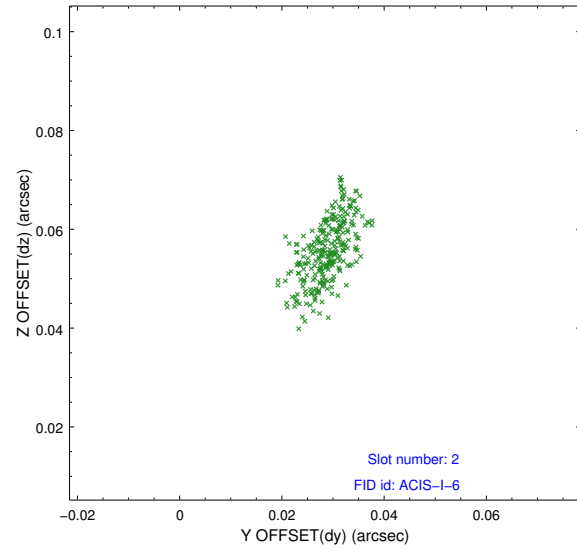
2.5.1 Slot 0



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)	2012.05.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.13279999

A.2 Comments

Joint proposal with XMM.