

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16053 - L2 Version 1
Chandra X-Ray Center

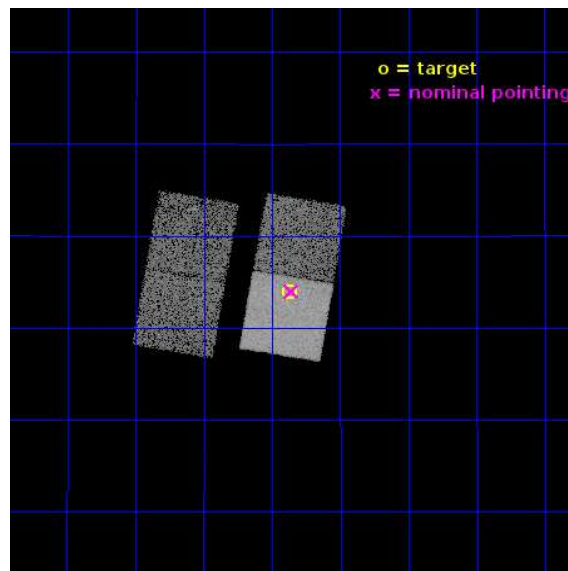
L2 Processing Date : Sep 2 2014

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

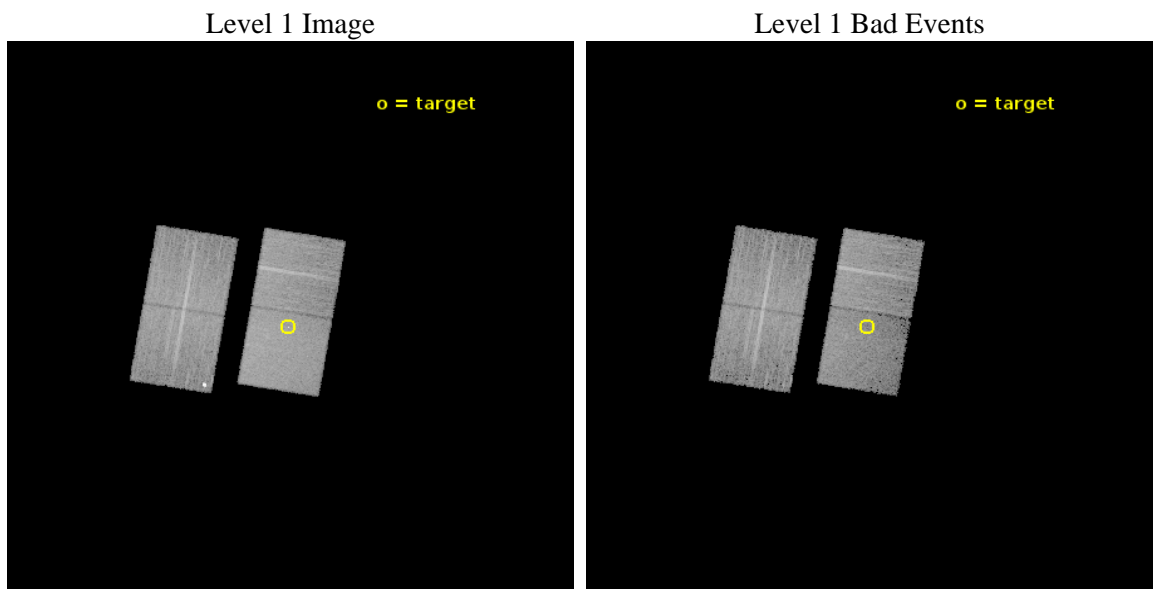
seq_num	702947	Sequence number
obs_id	16053	Observation id
title	Continuing the Chandra 3CR Snapshot Survey: 23 Radio Sources with 0.5	Proposal title
observer	Dr. Francesco Massaro	Principal investigator
object	3C114	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	65.0925	Observer's specified target RA [deg]
dec_targ	17.898667	Observer's specified target Dec [deg]
ra_nom	65.089514246134	Nominal RA [deg]
dec_nom	17.899906118501	Nominal Dec [deg]
roll_nom	99.58583000091	Nominal Roll [deg]
revision	1	Processing version of data
ontime	12067.884371698	Sum of GTIs [s]
livetime	11910.208578134	Livetime [s]
ontime2	12067.761251688	Sum of GTIs [s]
ontime3	12067.802291691	Sum of GTIs [s]
ontime6	12067.843331695	Sum of GTIs [s]
ontime7	12067.884371698	Sum of GTIs [s]
l2events	65883	Number of level 2 events



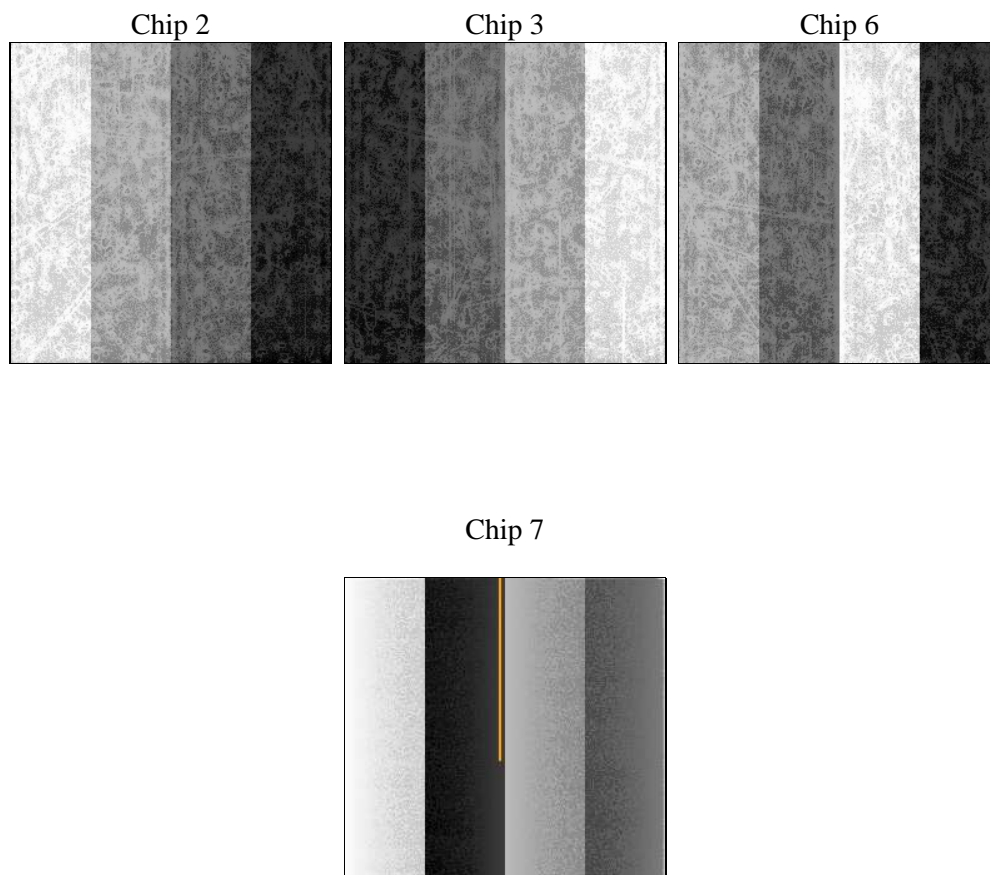
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12000.000000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	12067.884371698	Sum of GTIs [s]
caldsver	4.6.2	 	ontime2	12067.761251688	Sum of GTIs [s]
date	2014-09-02T16:08:07	Date and time of file creation	ontime3	12067.802291691	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	12067.843331695	Sum of GTIs [s]
			ontime7	12067.884371698	Sum of GTIs [s]
			l1events	344829	Number of level 1 events

2.1.4 Events

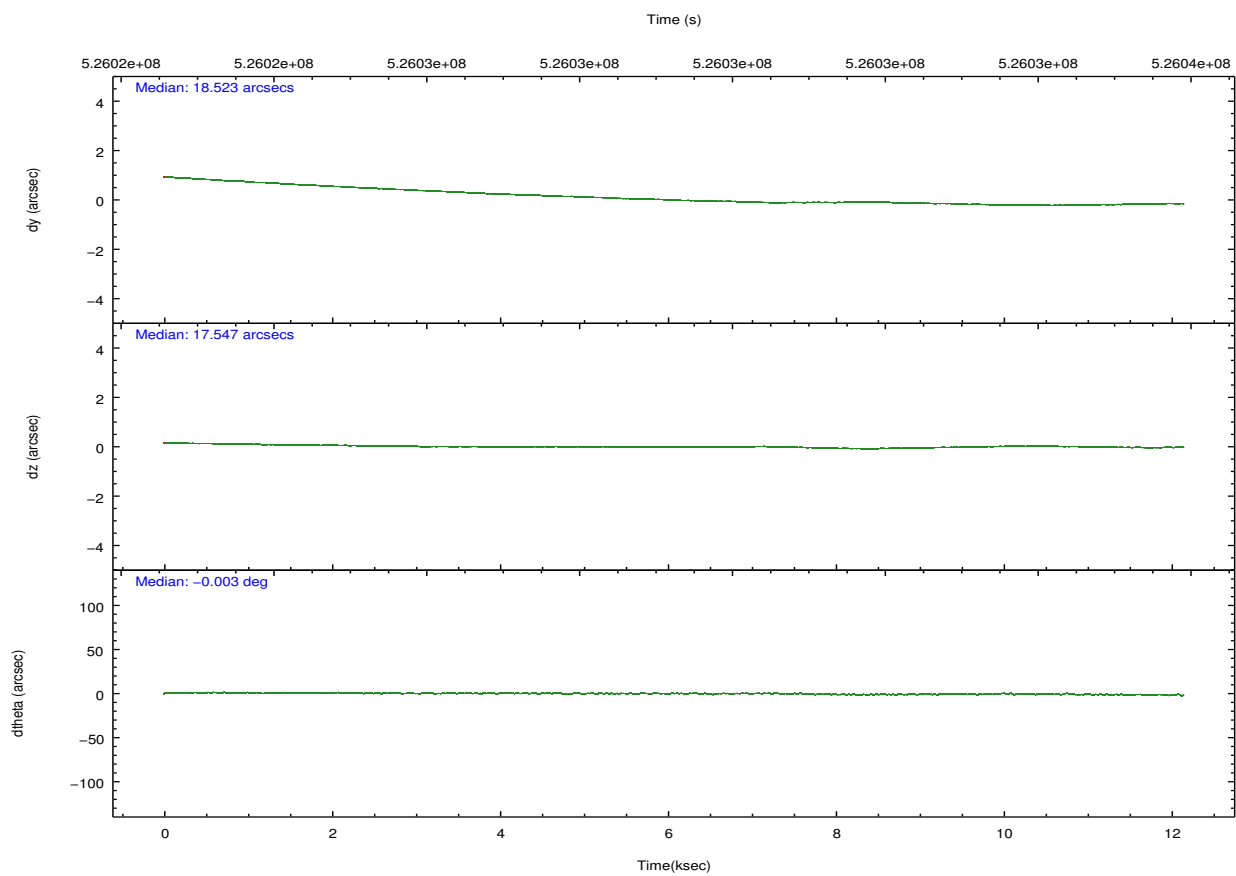
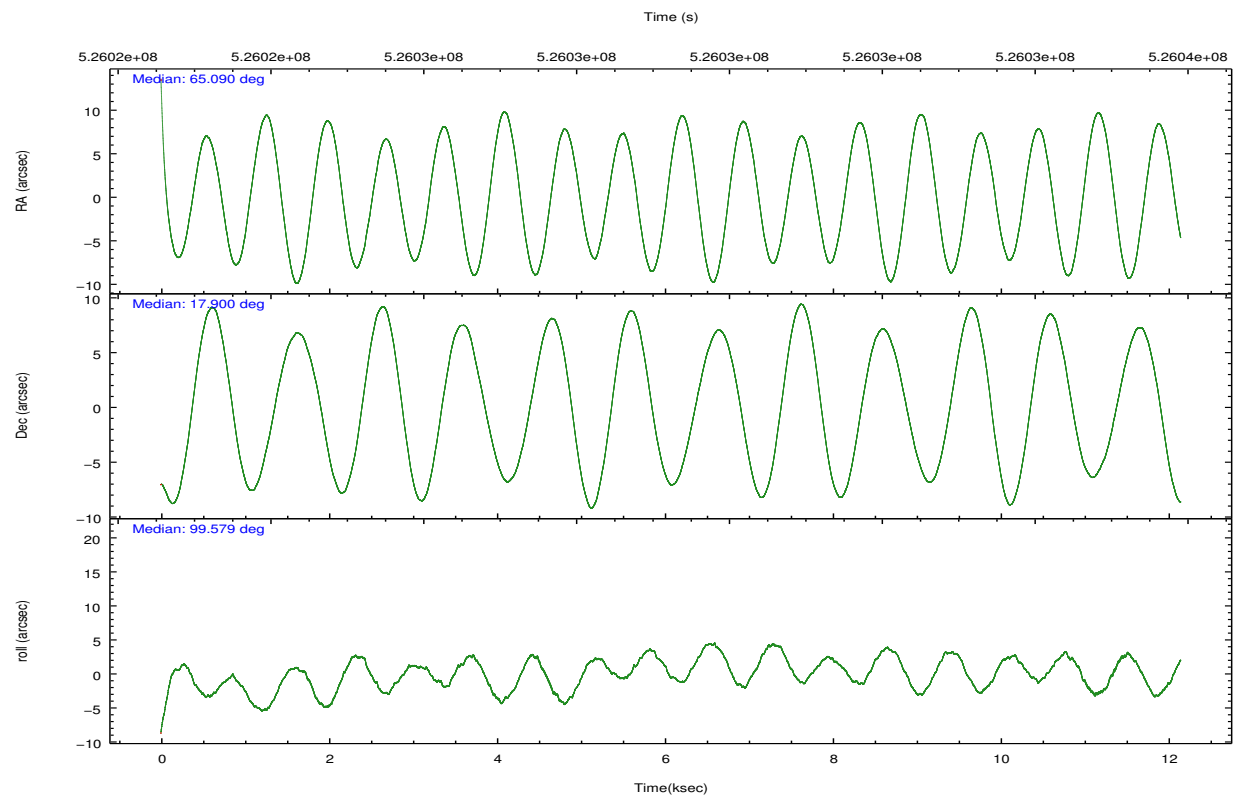
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	83530	82611	82849	95839
rejected events	74840	70568	73290	51661
rejected %	89%	85%	88%	53%

	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	3316	6724	3406	4116
	3%	8%	4%	4%
grade 1 events	53	81	55	143
	0%	0%	0%	0%
grade 2 events	1960	1797	2151	9467
	2%	2%	2%	9%
grade 3 events	869	944	962	3703
	1%	1%	1%	3%
grade 4 events	973	933	934	3616
	1%	1%	1%	3%
grade 5 events	2775	3328	3326	9121
	3%	4%	4%	9%
grade 6 events	1577	1652	2114	23304
	1%	1%	2%	24%
grade 7 events	72007	67152	69901	42369
	86%	81%	84%	44%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	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	65.108173	65.08951424613392	CCD I2 on	O1	Y
[deg] Pointing Dec	17.879009	17.89990611850133	CCD I3 on	O2	Y
[deg] Pointing Roll	99.423476	99.58583000091021	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	N	N
[s] Observation start time (MET)	526023305.184000	526022289.99644	CCD S5 on	N	N
Observation start date	2014-09-02T05:33:58	2014-09-02T05:18:09	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	526035305.184000	526035740.55968	On-chip summing requested	N	N
Observation end date	2014-09-02T08:53:58	2014-09-02T09:02:20	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect

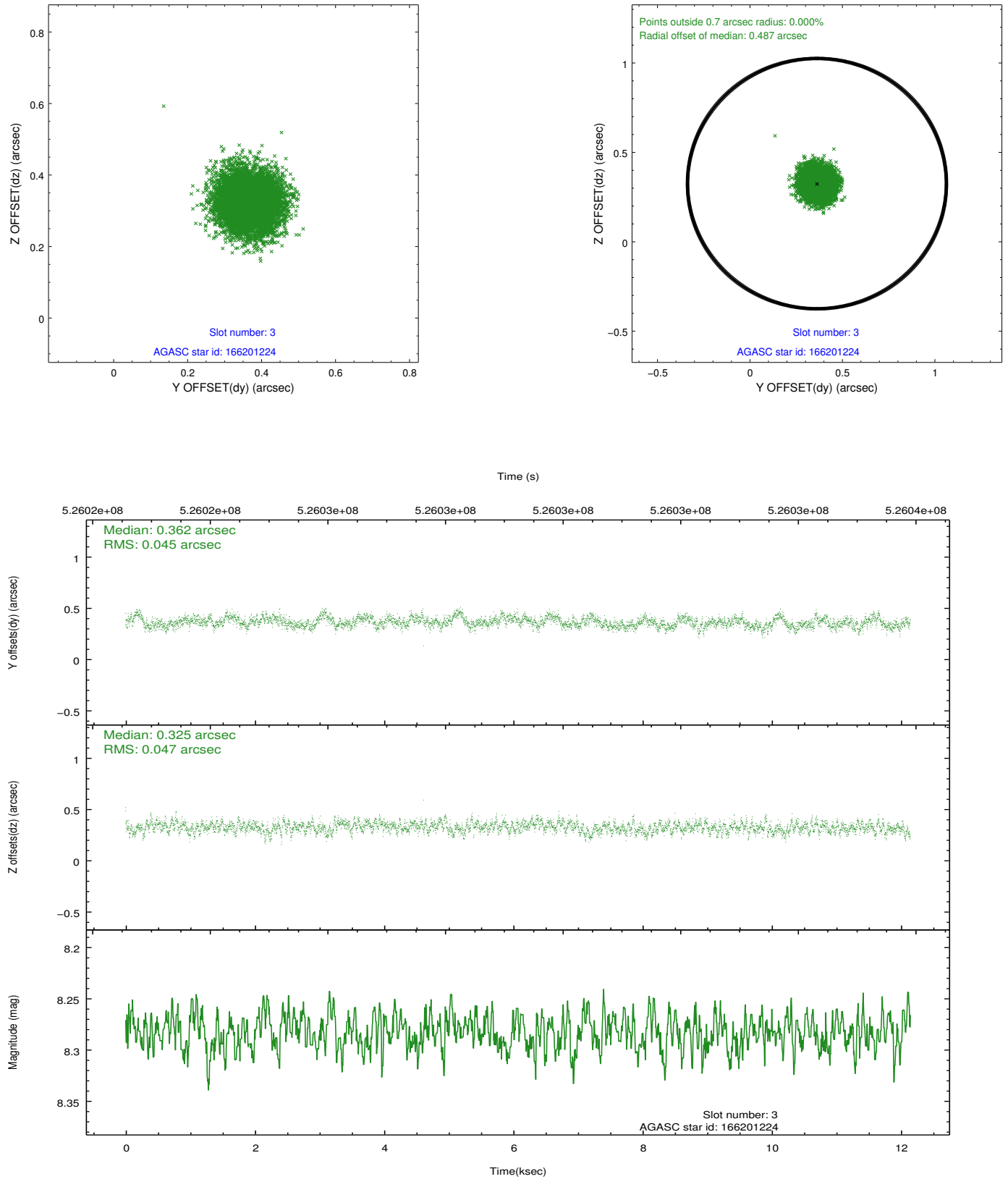


Slot Statistics

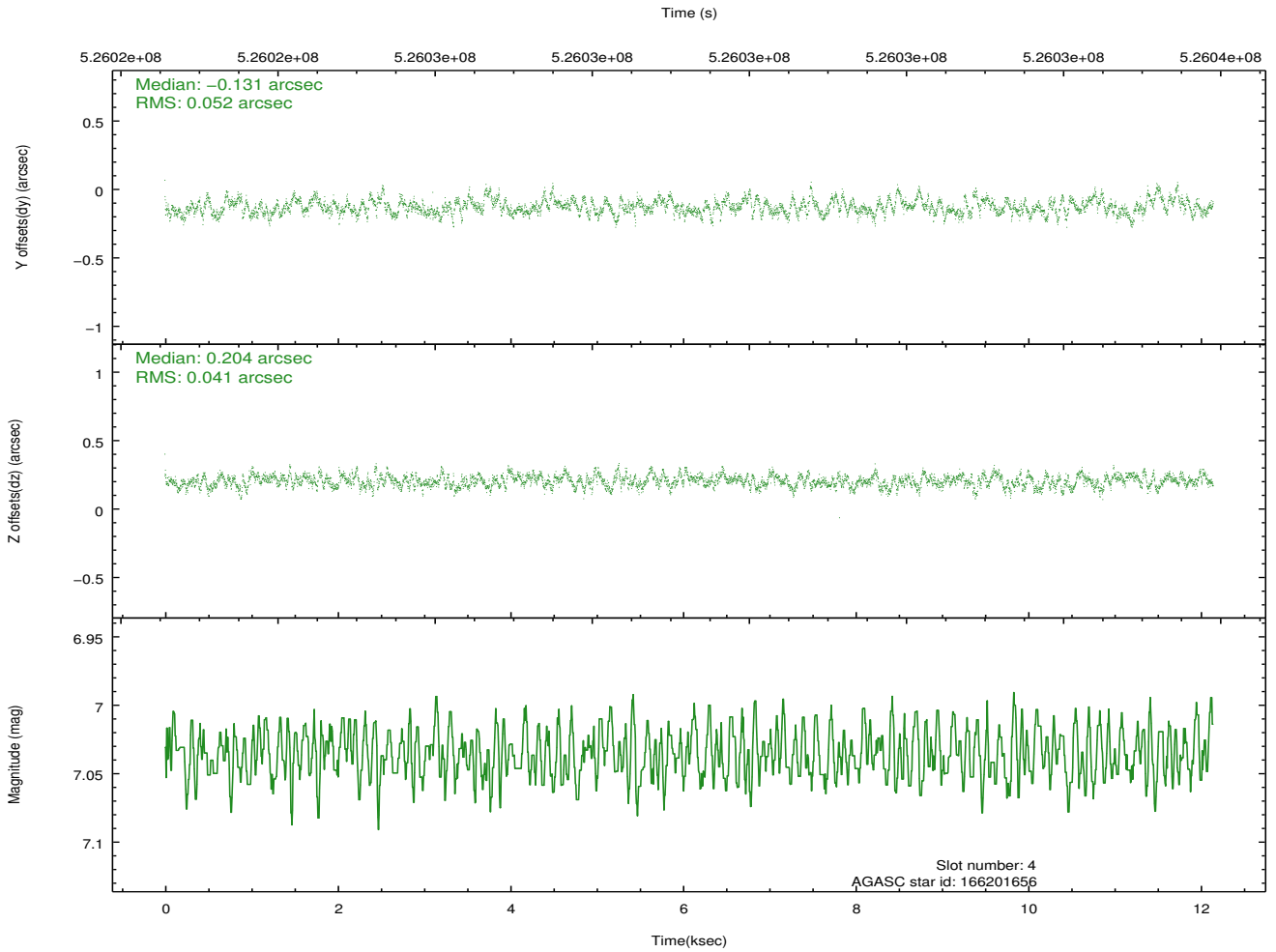
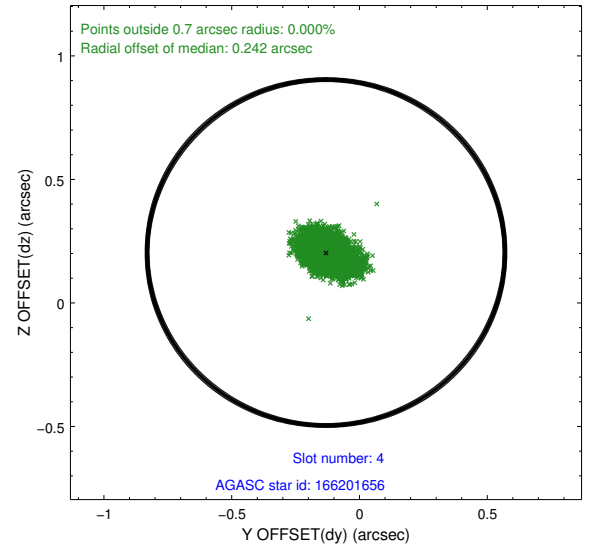
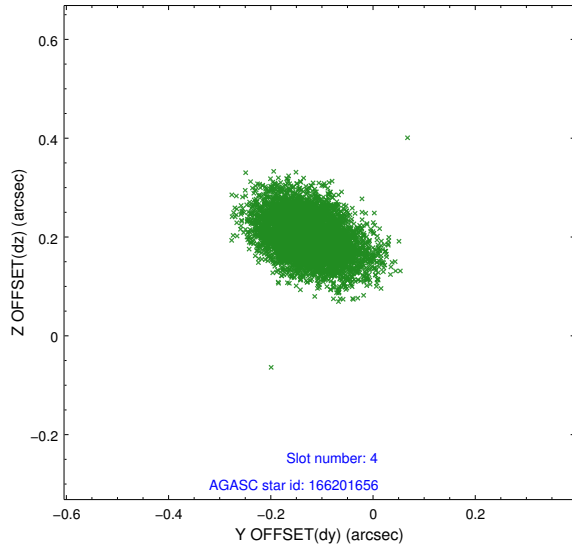
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.05	2963	-0.116	-0.073	0.011	0.020	0.000000	0.000000	-771.89	-1739.06
1	FID	ACIS-S-4	7.13	2963	0.321	0.075	0.011	0.022	0.000000	0.000000	2141.69	169.08
2	FID	ACIS-S-5	7.16	2963	-0.237	0.005	0.008	0.013	0.000000	0.000000	-1824.28	163.24
3	GUIDE	166201224	8.28	5920	0.362	0.325	0.070	0.111	65.366354	17.576307	-1219.11	-695.53
4	GUIDE	166201656	7.04	5926	-0.131	0.204	0.069	0.119	65.384452	18.417583	1758.41	-1249.64
5	GUIDE	166201912	7.58	5926	-0.340	-0.464	0.090	0.135	64.507664	18.256807	1680.60	1800.23
6	GUIDE	166202112	8.47	5926	0.229	-0.276	0.090	0.147	64.783359	17.524755	-1074.50	1307.19
7	GUIDE	166204376	8.19	5918	-0.130	0.210	0.091	0.143	65.349762	18.266324	1240.99	-1042.46

2.4 Star Slots

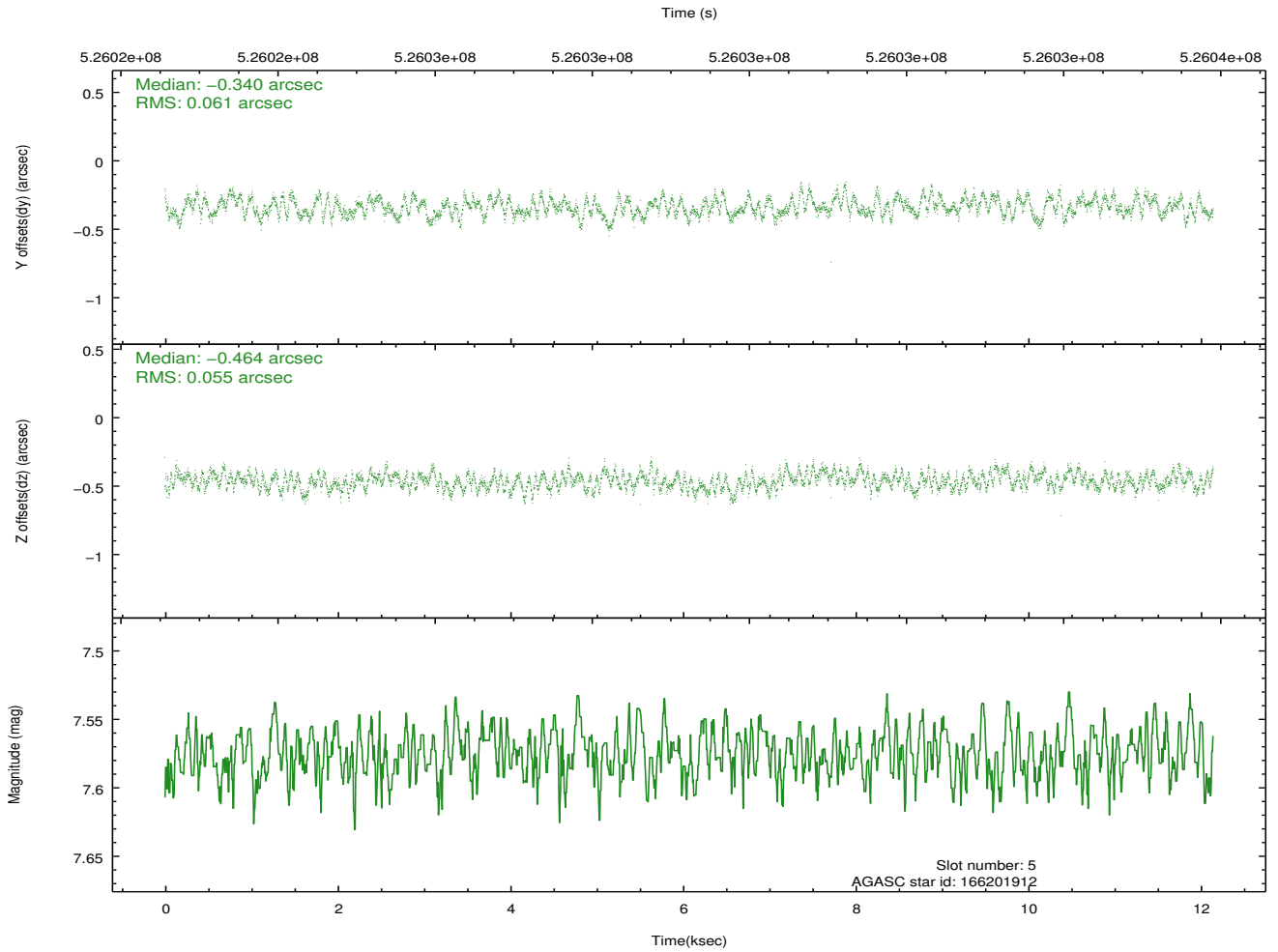
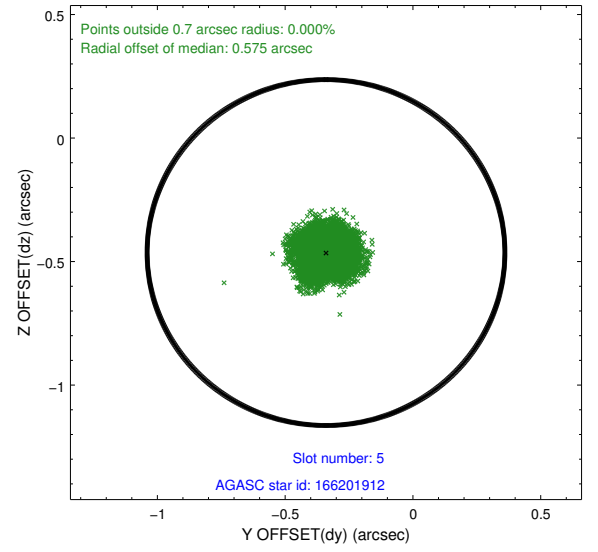
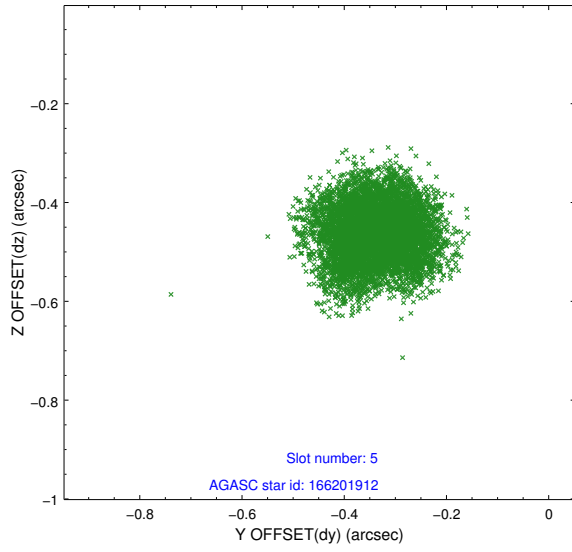
2.4.1 Slot 3



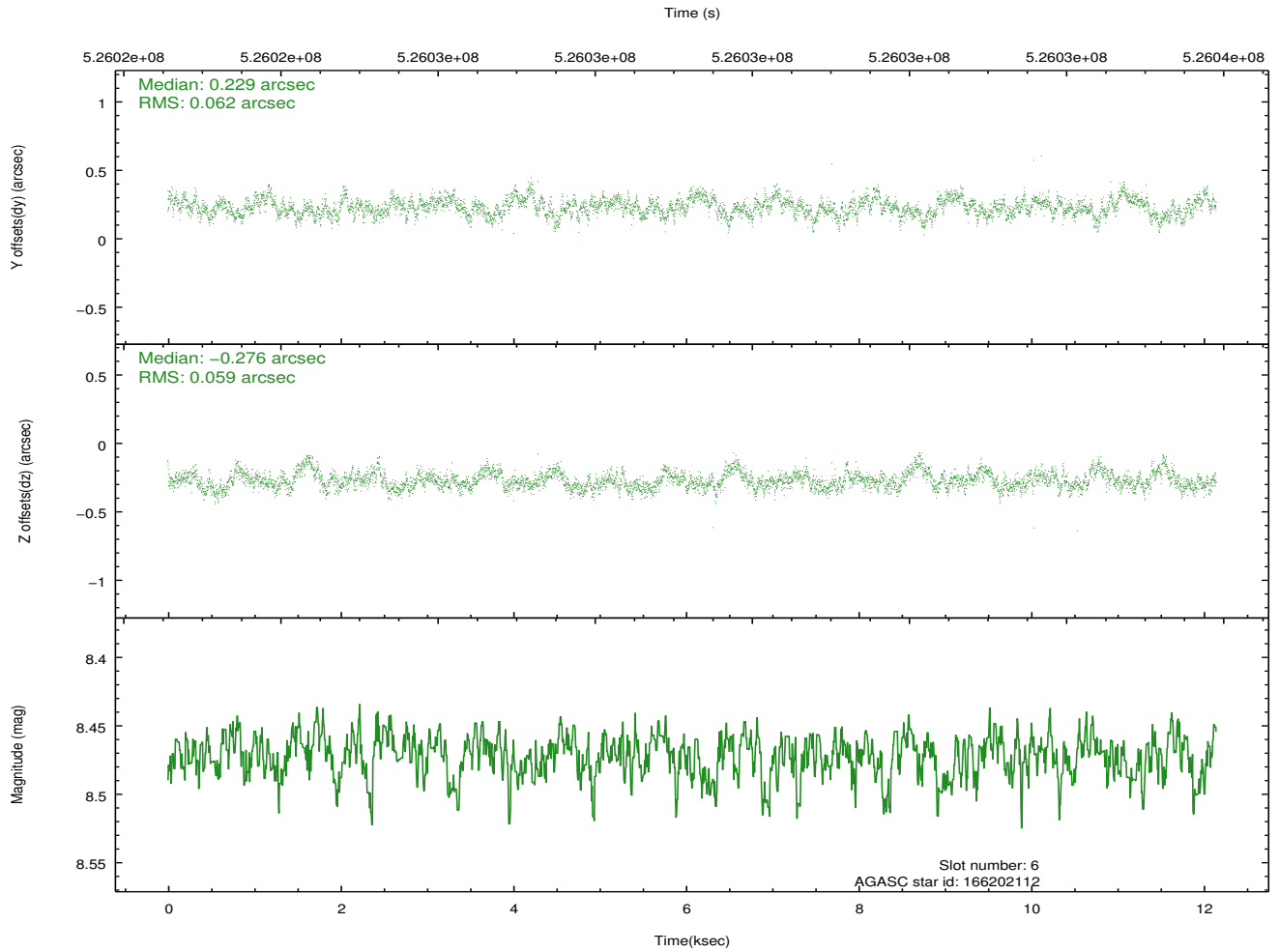
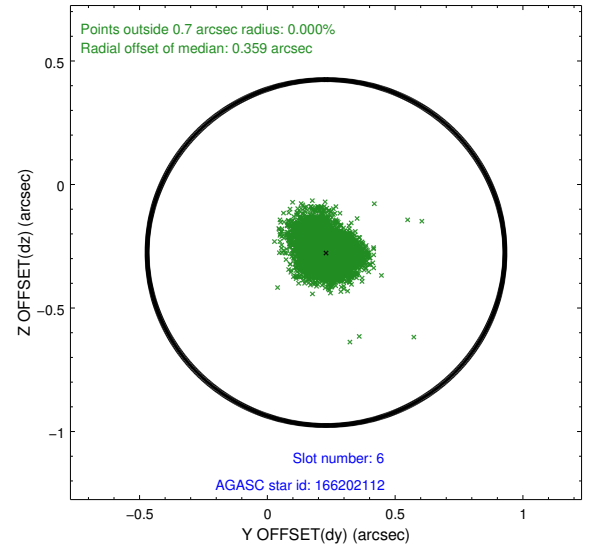
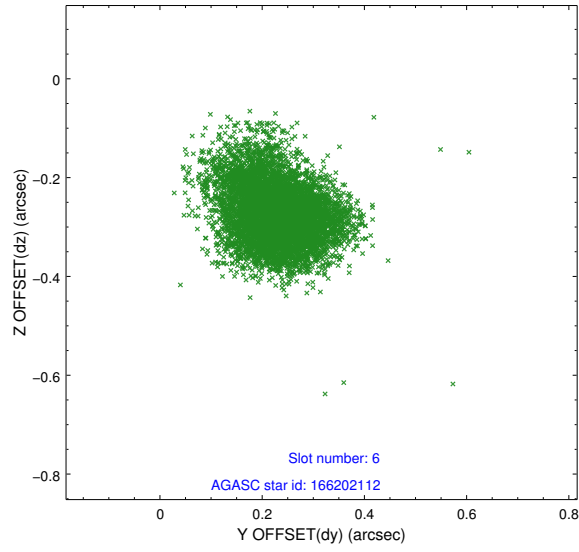
2.4.2 Slot 4



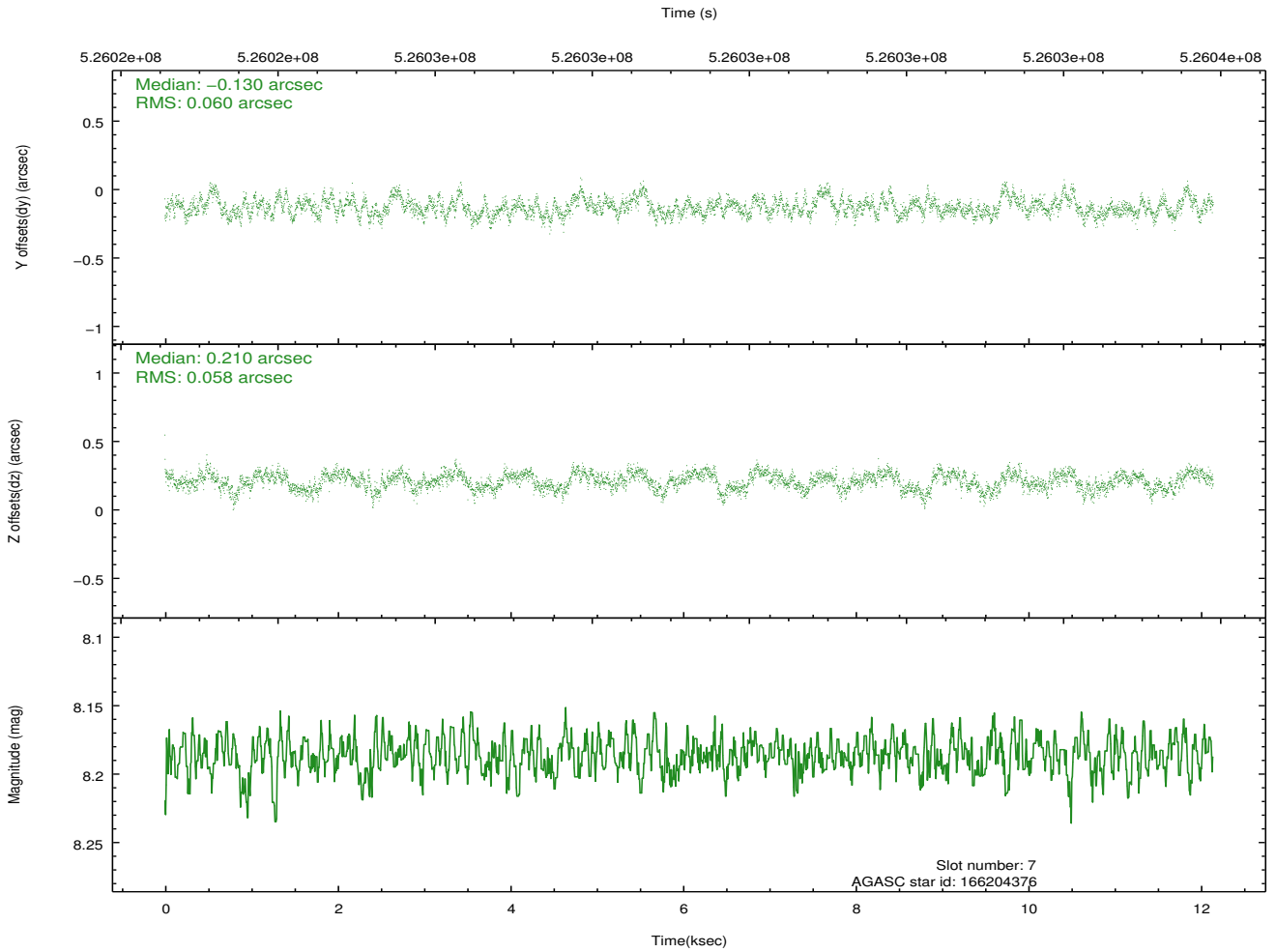
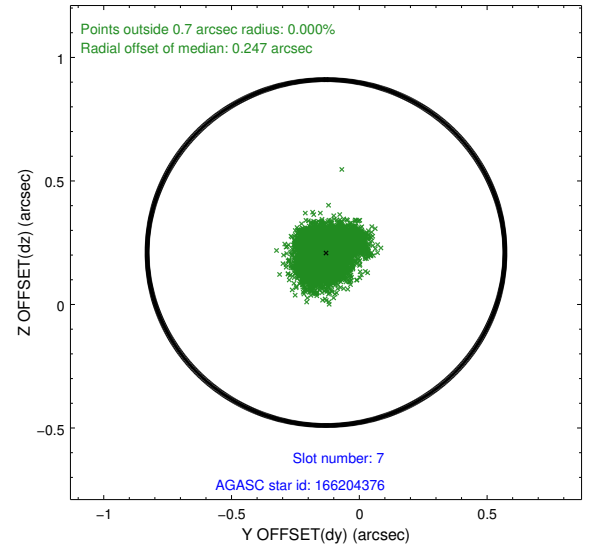
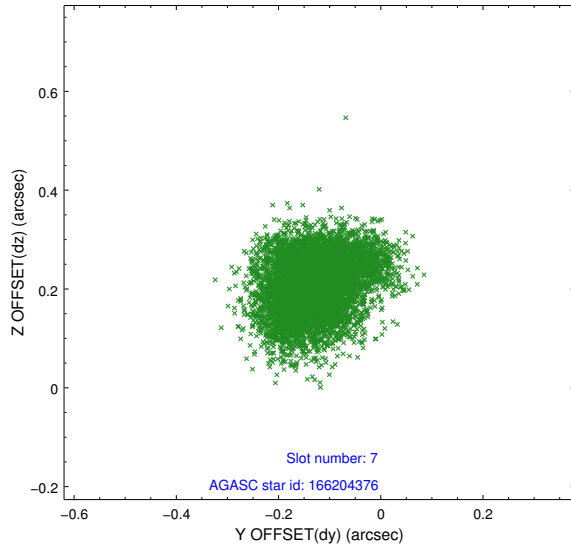
2.4.3 Slot 5



2.4.4 Slot 6

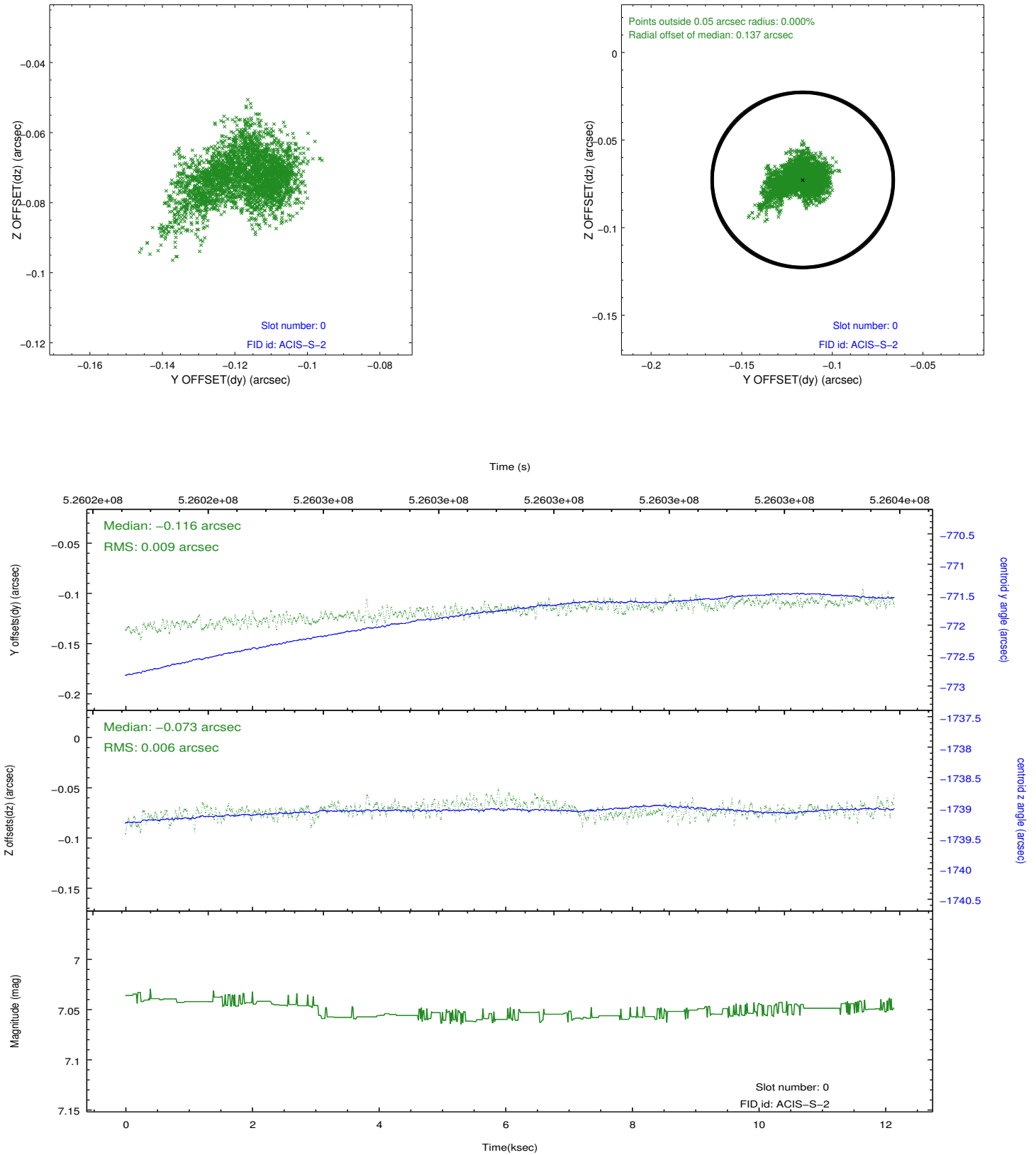


2.4.5 Slot 7

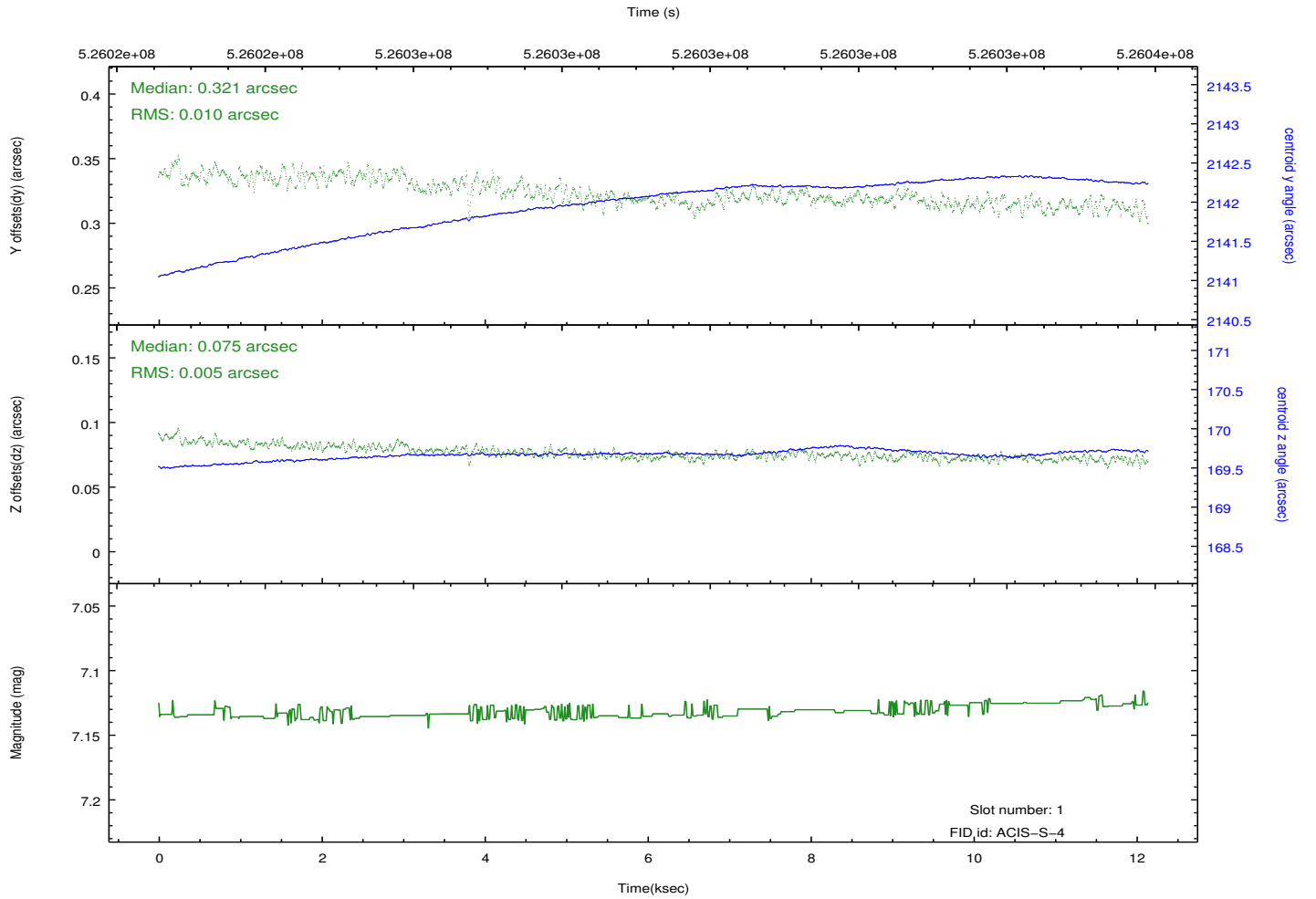
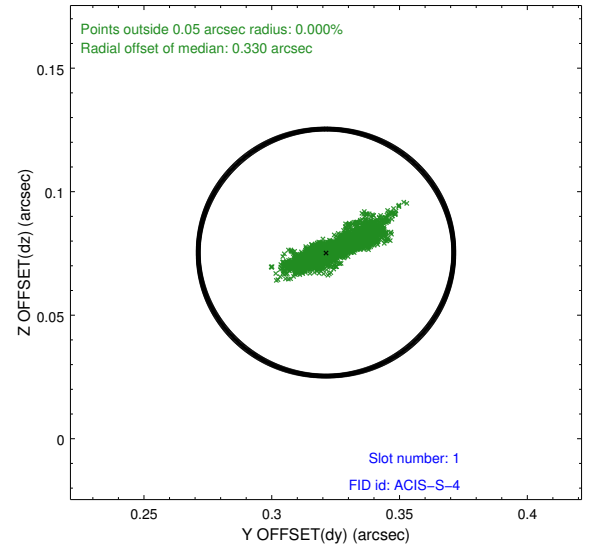
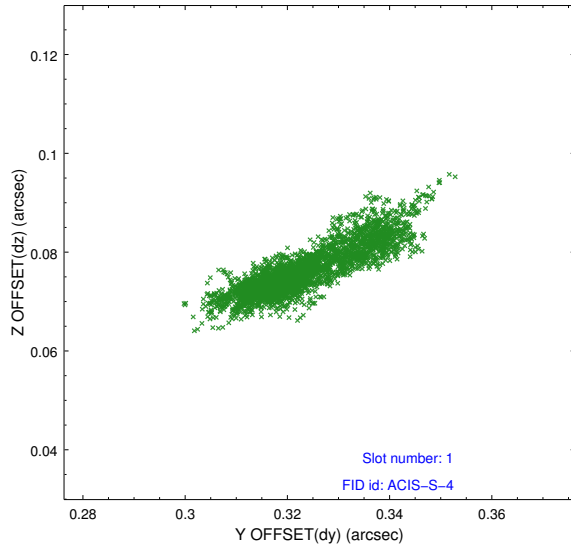


2.5 FID Slots

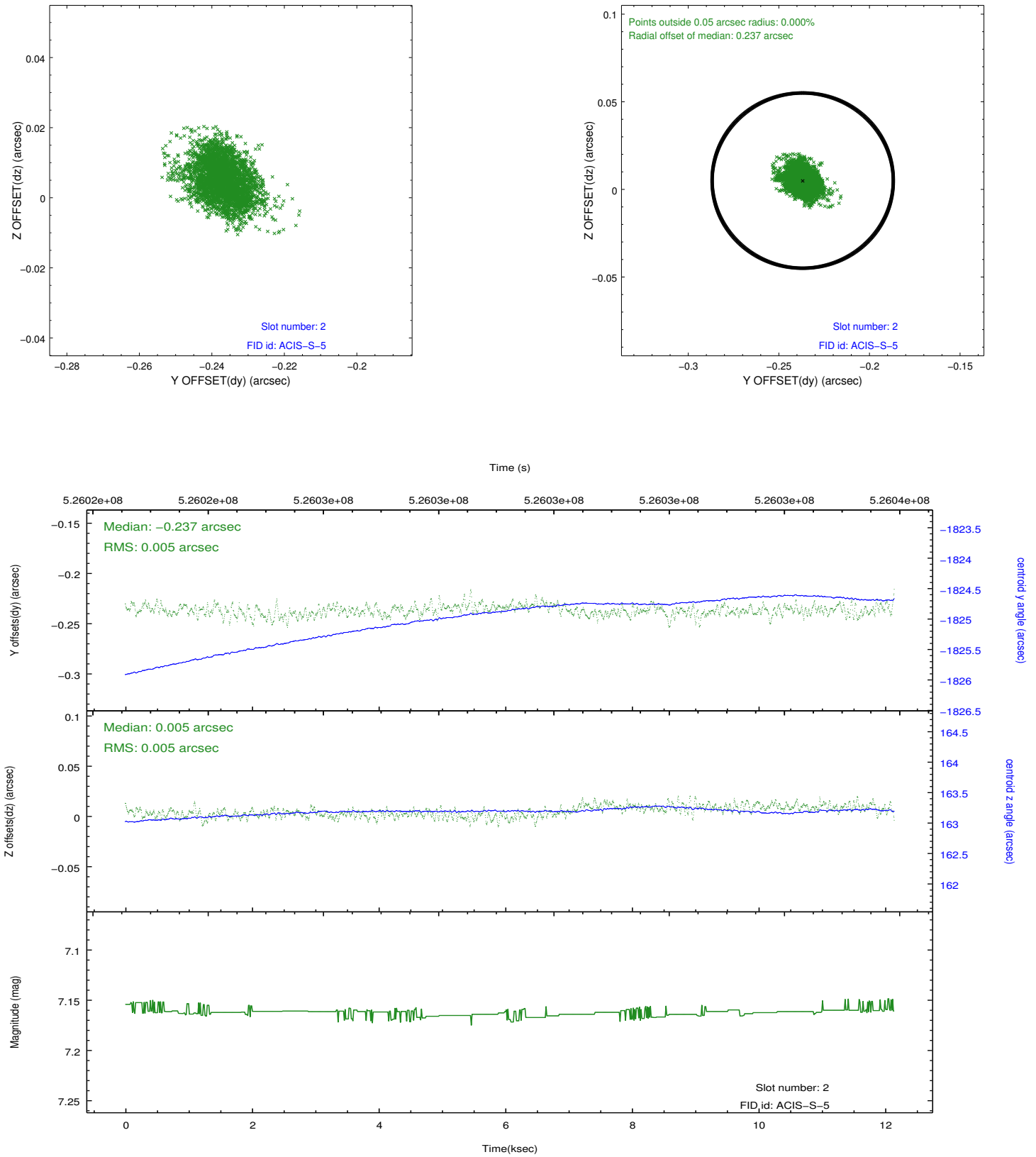
2.5.1 Slot 0



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)	2014.09.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.067884371698

A.2 Comments