

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16026 - L2 Version 1
Chandra X-Ray Center

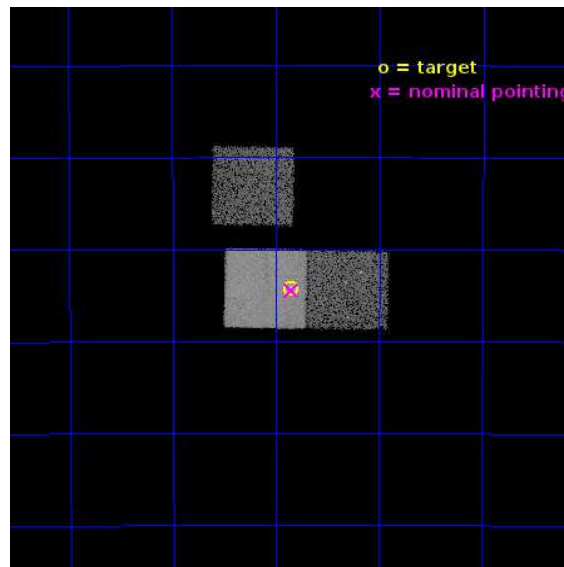
L2 Processing Date : Aug 28 2014

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1 Front

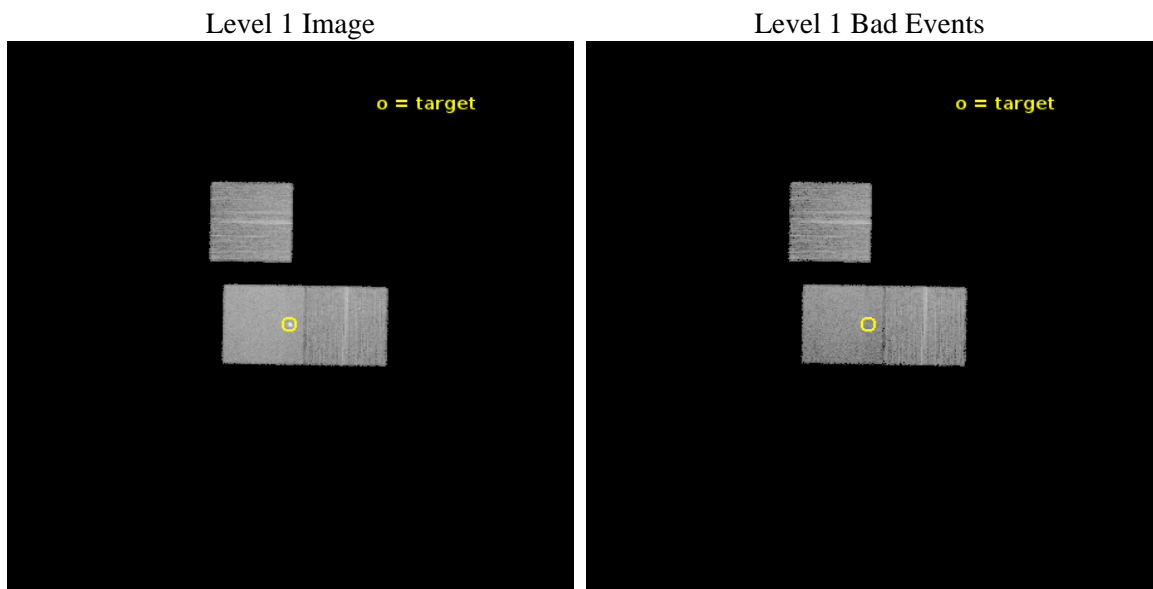
seq_num	601114	Sequence number
obs_id	16026	Observation id
title	0.5-30 KEV IMAGING OF STARBURSTS WITH CHANDRA AND NUSTAR	Proposal
observer	Dr. Ann Hornschemeier	Principal investigator
object	NGC 3256	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	156.965	Observer's specified target RA [deg]
dec_targ	-43.905	Observer's specified target Dec [deg]
ra_nom	156.96274713795	Nominal RA [deg]
dec_nom	-43.907624054159	Nominal Dec [deg]
roll_nom	181.04309230718	Nominal Roll [deg]
revision	1	Processing version of data
ontime	15567.106061637	Sum of GTIs [s]
livetime	15363.710360605	Livetime [s]
ontime3	15567.023981631	Sum of GTIs [s]
ontime6	15567.065021634	Sum of GTIs [s]
ontime7	15567.106061637	Sum of GTIs [s]
l2events	67052	Number of level 2 events



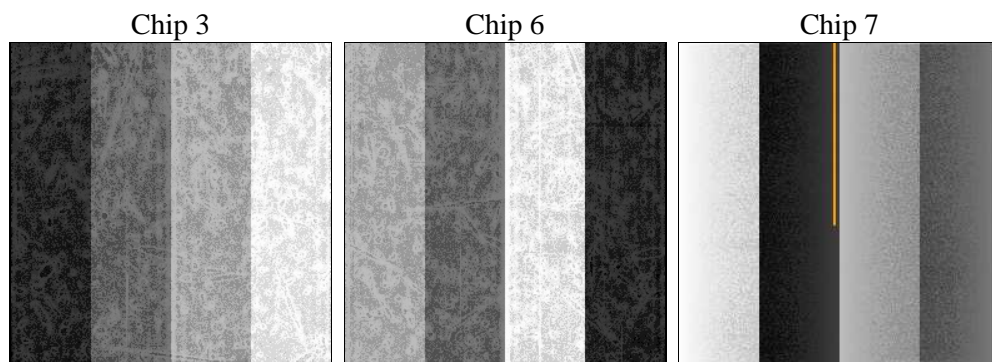
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15450.000000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	15567.106061637	Sum of GTIs [s]
caldsver	4.6.2	 	ontime3	15567.023981631	Sum of GTIs [s]
date	2014-08-28T16:08:32	Date and time of file creation	ontime6	15567.065021634	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	15567.106061637	Sum of GTIs [s]
			l1events	267015	Number of level 1 events

2.1.4 Events

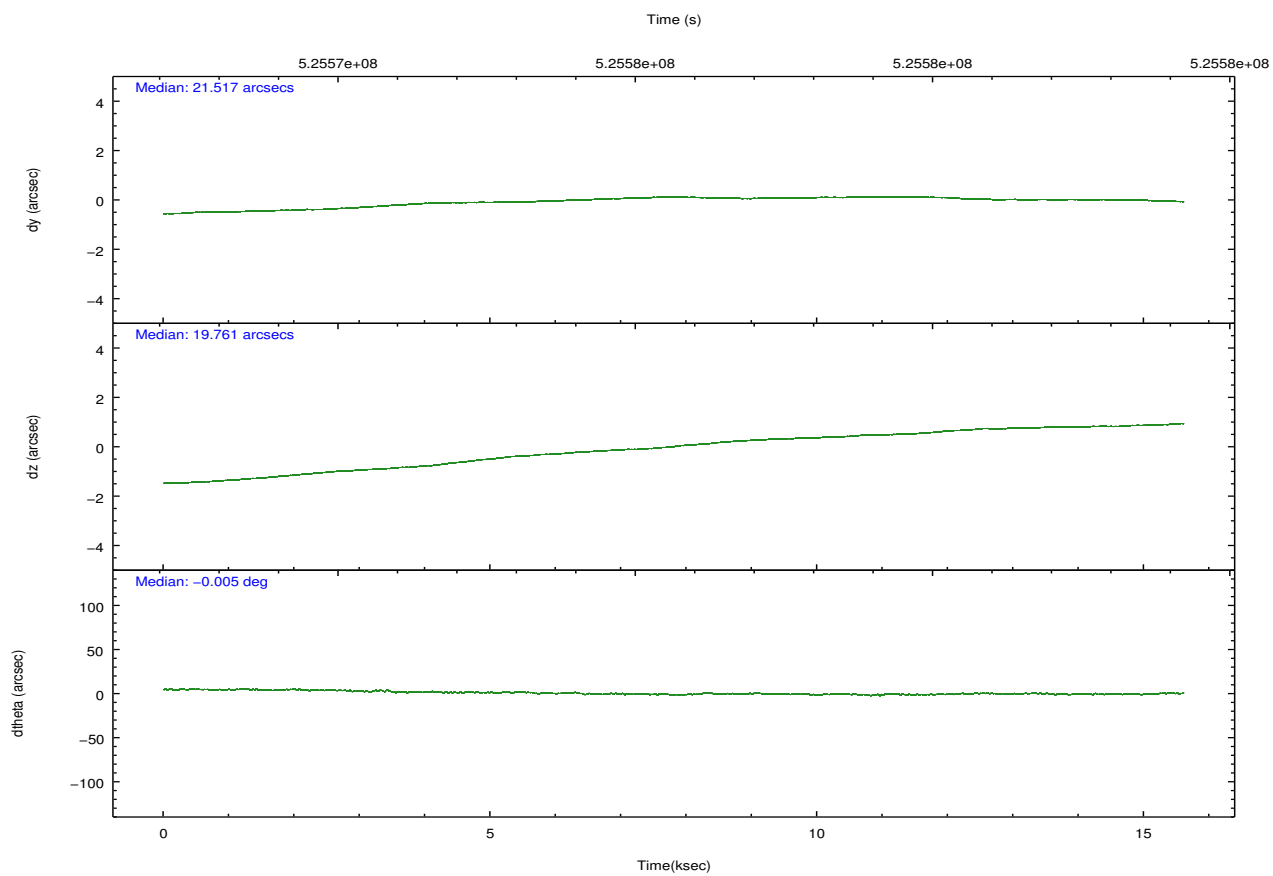
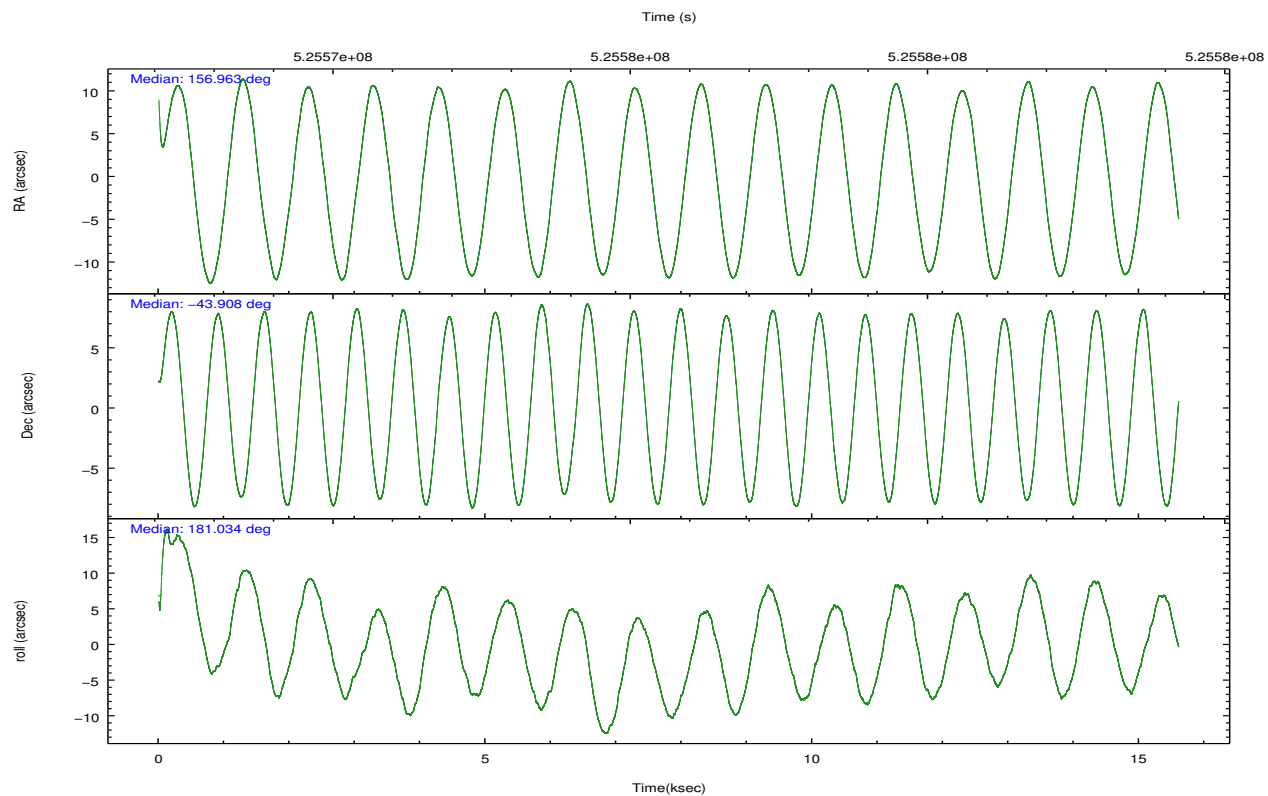
	ccd 3	ccd 6	ccd 7
level 1 events	75702	80589	110724
rejected events	66804	70644	59557
rejected %	88%	87%	53%

	ccd 3	ccd 6	ccd 7
grade 0 events	3177	3535	5229
	4%	4%	4%
grade 1 events	45	43	152
	0%	0%	0%
grade 2 events	1958	2328	10649
	2%	2%	9%
grade 3 events	950	974	4518
	1%	1%	4%
grade 4 events	968	923	4420
	1%	1%	3%
grade 5 events	4144	4316	10953
	5%	5%	9%
grade 6 events	1845	2188	26366
	2%	2%	23%
grade 7 events	62615	66282	48437
	82%	82%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-367	ACIS-367	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	156.995046	156.9627471379459	CCD I2 on	N	N
[deg] Pointing Dec	-43.893163	-43.90762405415887	CCD I3 on	O2	Y
[deg] Pointing Roll	180.908875	181.0430923071757	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	O1	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)	525568006.184000	525566939.35869	CCD S5 on	N	N
Observation start date	2014-08-27T23:05:39	2014-08-27T22:48:59	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	525583456.184000	525583880.04713	On-chip summing requested	N	N
Observation end date	2014-08-28T03:23:09	2014-08-28T03:31:20	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect

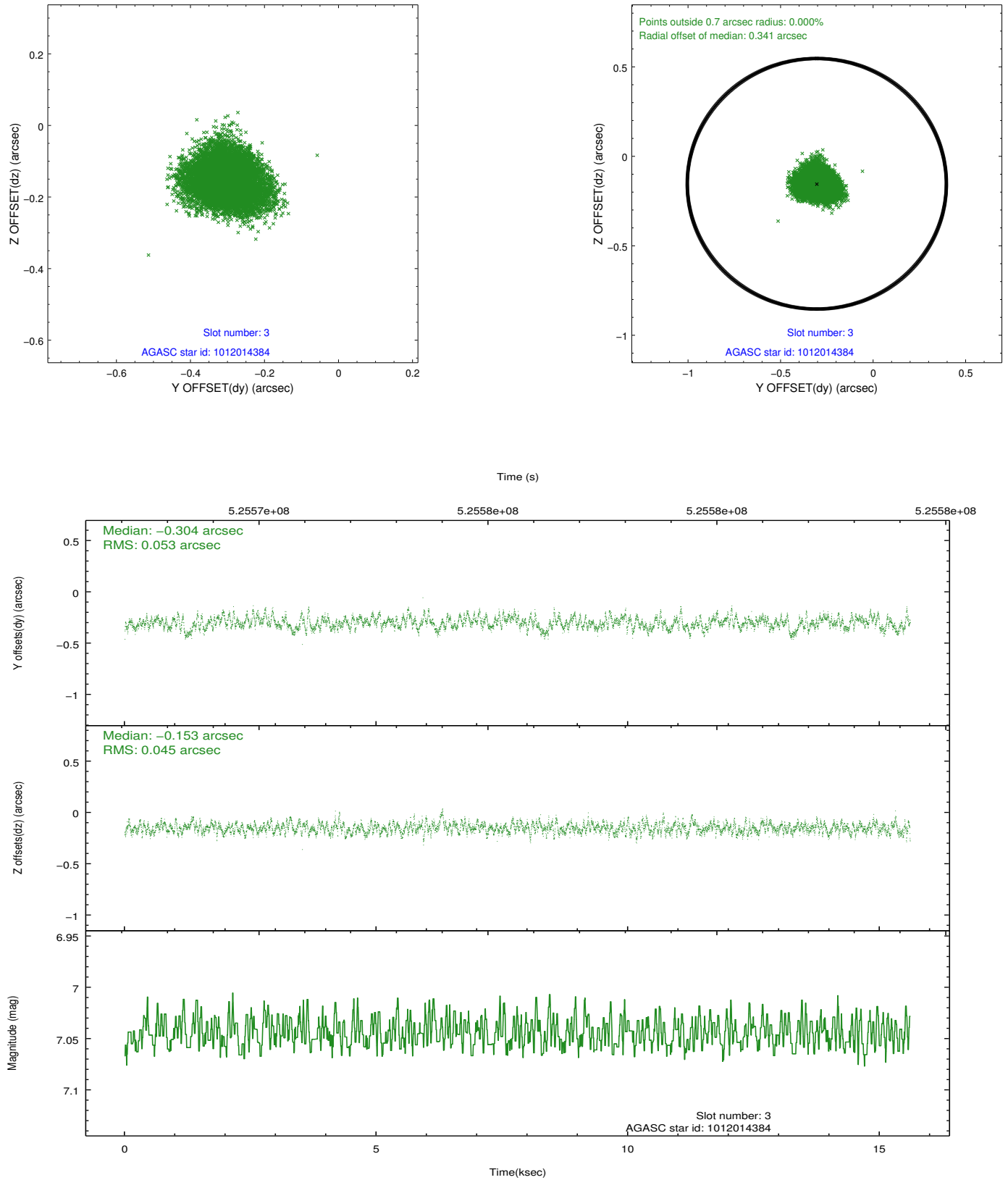


Slot Statistics

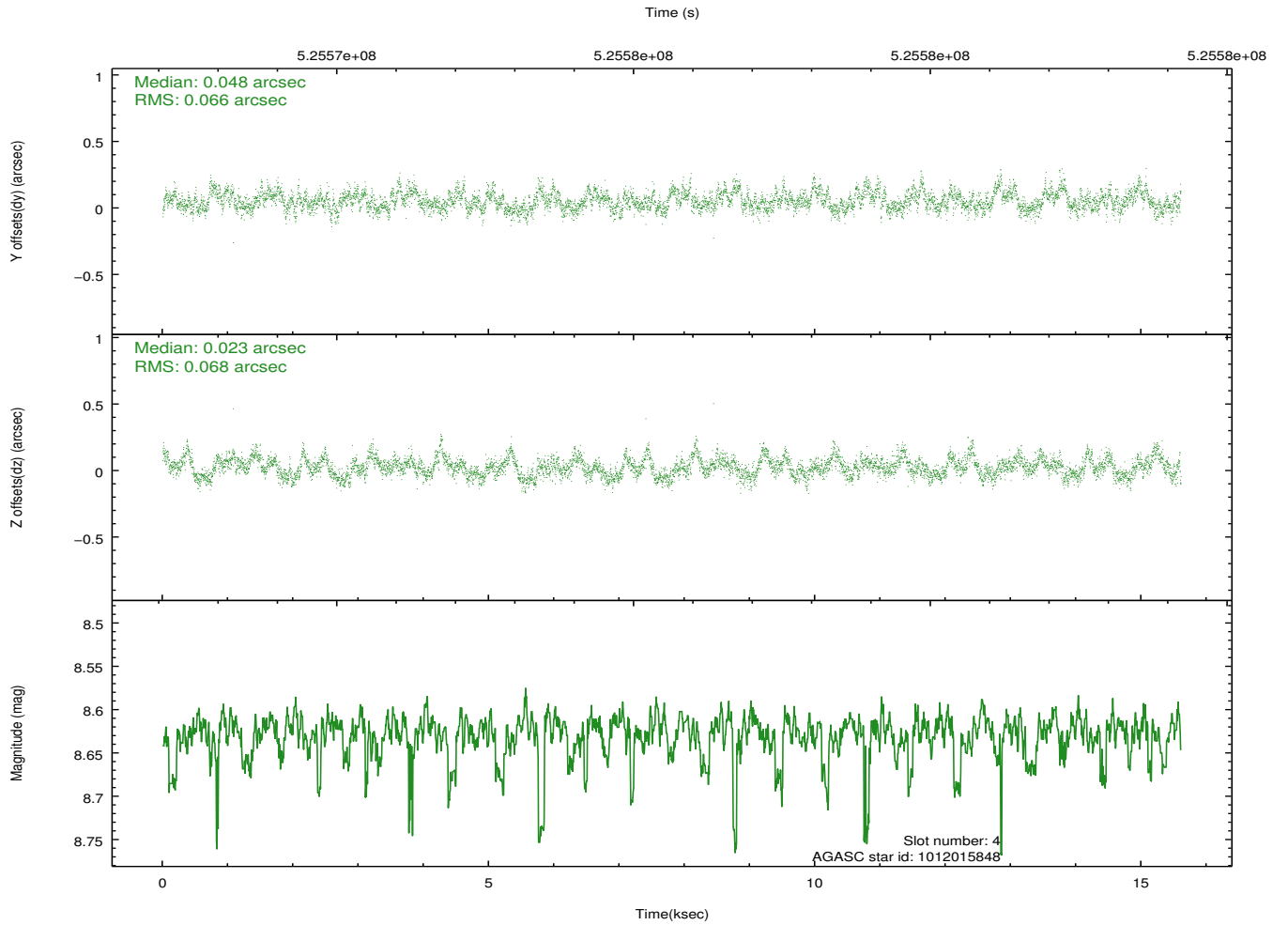
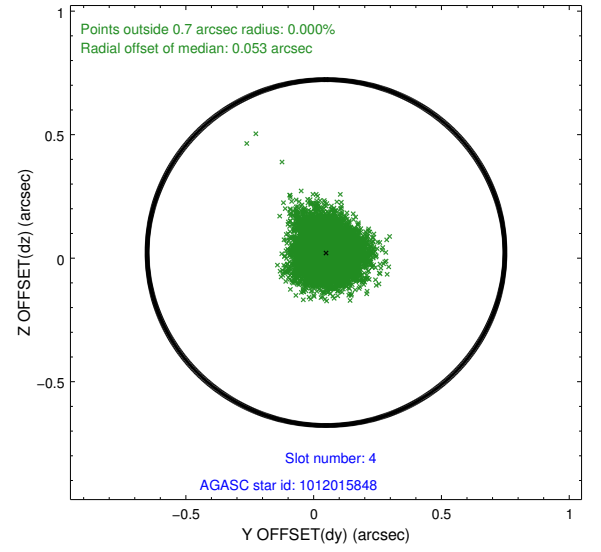
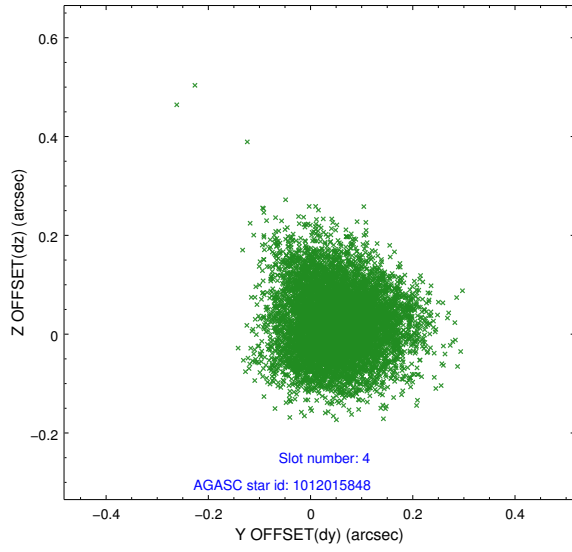
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.00	3806	-0.130	-0.021	0.021	0.038	0.000000	0.000000	-774.70	-1741.20
1	FID	ACIS-S-4	7.09	3806	0.256	0.069	0.007	0.013	0.000000	0.000000	2138.82	167.10
2	FID	ACIS-S-5	7.12	3806	-0.159	-0.039	0.019	0.034	0.000000	0.000000	-1827.22	160.97
3	GUIDE	1012014384	7.04	7613	-0.304	-0.153	0.075	0.120	156.922596	-44.342264	211.98	1613.69
4	GUIDE	1012015848	8.63	7607	0.048	0.023	0.101	0.161	156.259270	-43.459488	1898.56	-1582.36
5	GUIDE	1012017064	7.14	7613	0.126	0.146	0.105	0.174	157.176692	-43.838343	-473.40	-189.69
6	GUIDE	1012025440	9.11	7605	-0.096	-0.301	0.129	0.200	156.542398	-44.472818	1195.89	2070.98
7	GUIDE	1012144000	9.50	7609	0.206	0.287	0.120	0.191	157.754474	-43.608813	-1995.28	-982.27

2.4 Star Slots

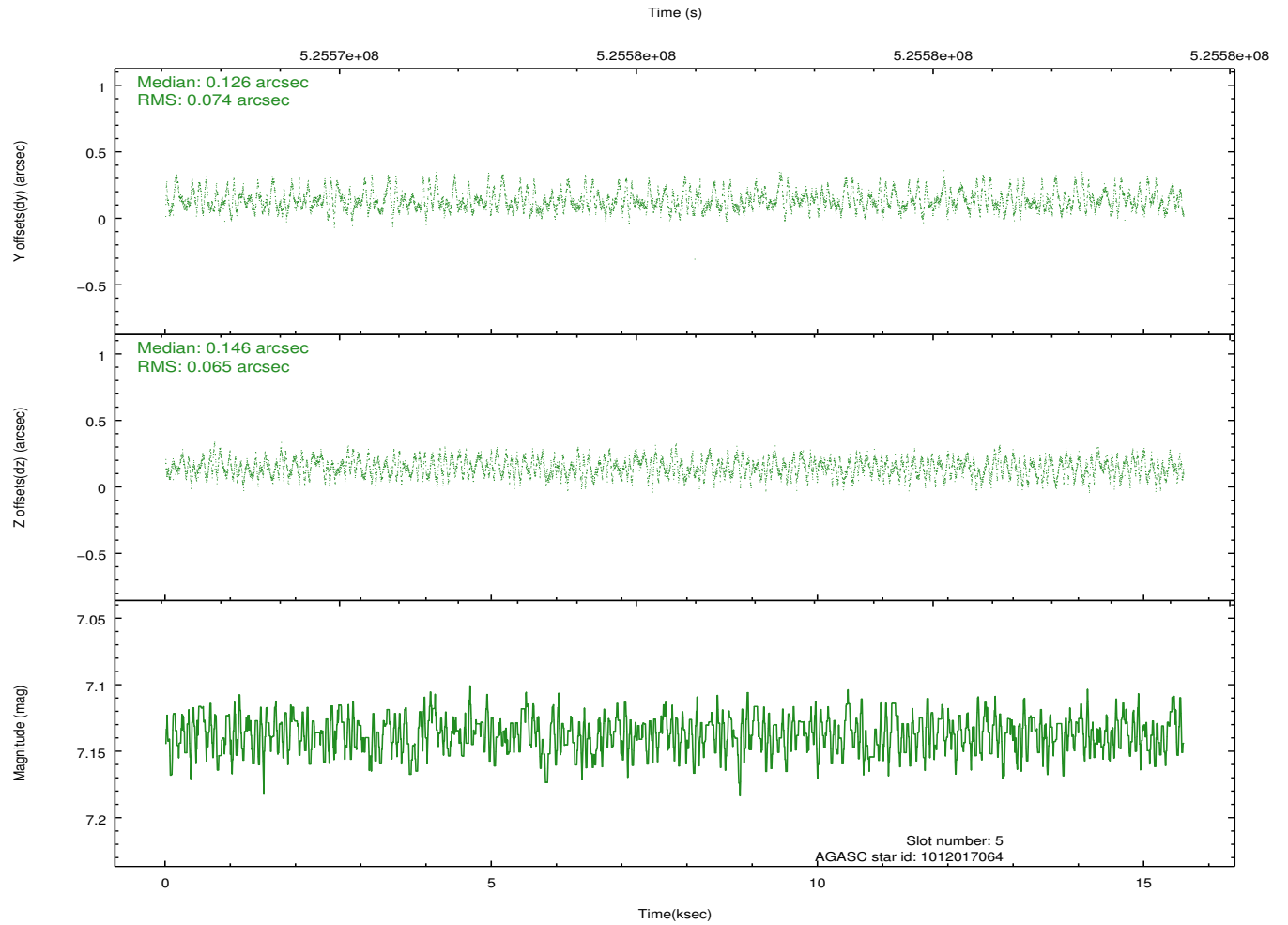
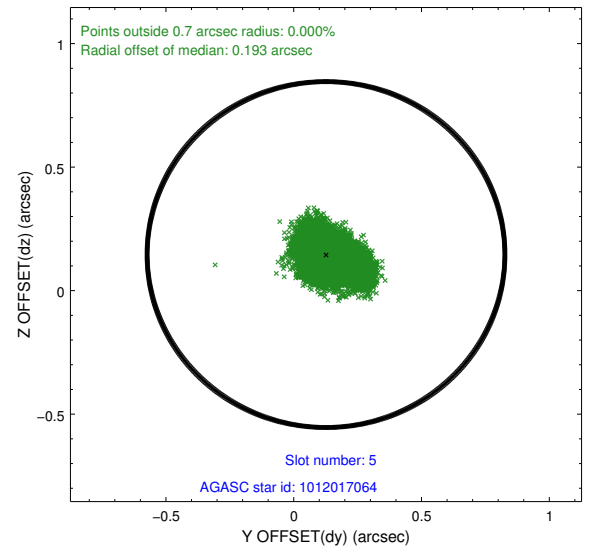
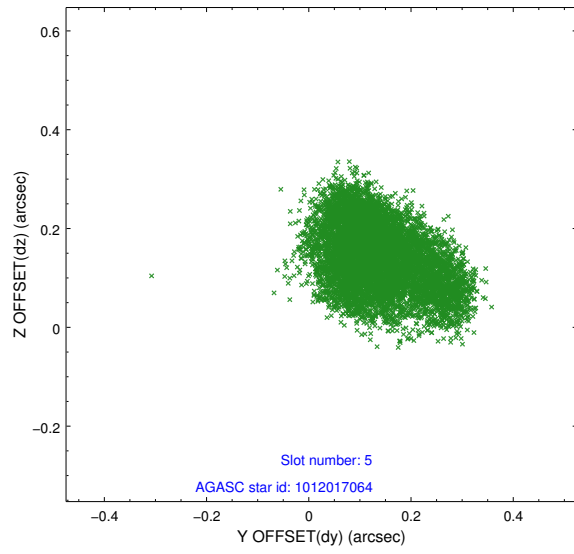
2.4.1 Slot 3



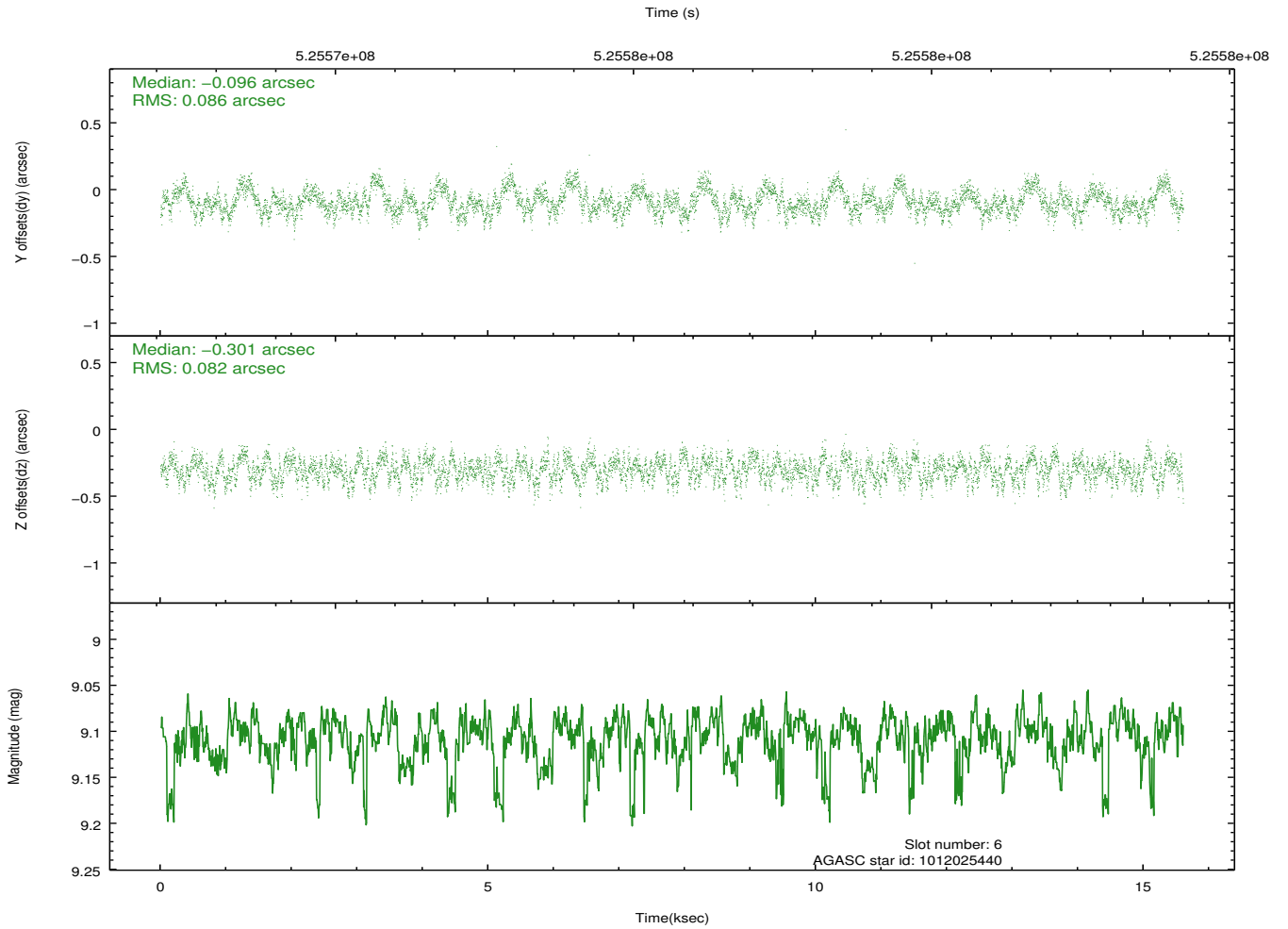
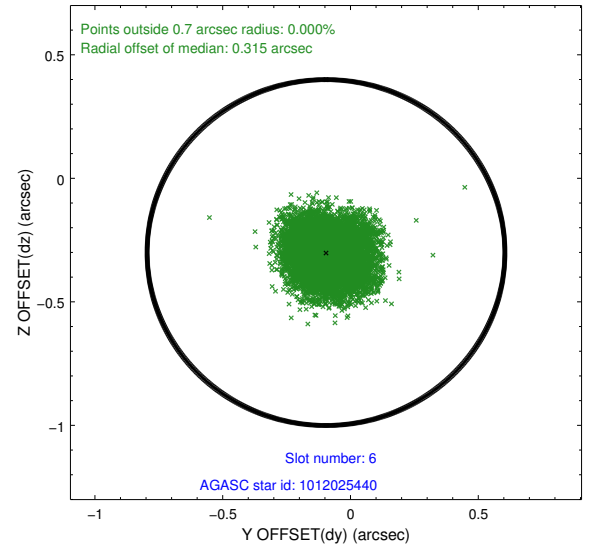
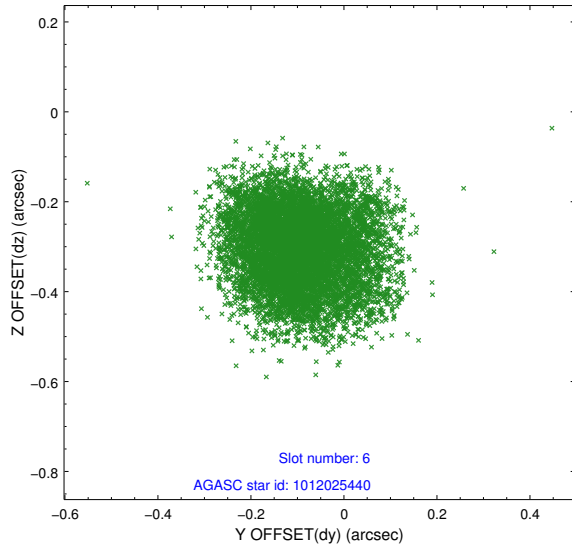
2.4.2 Slot 4



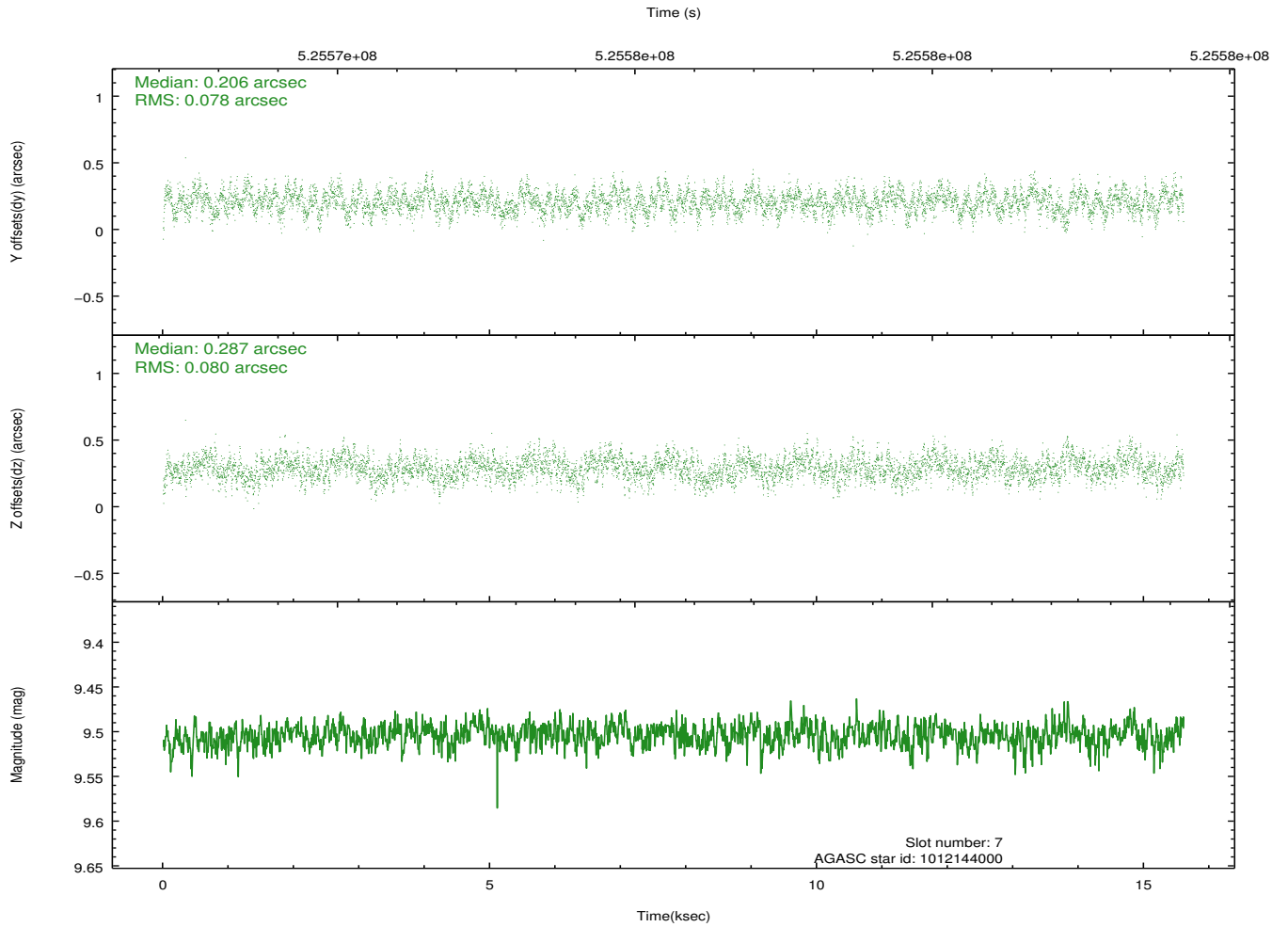
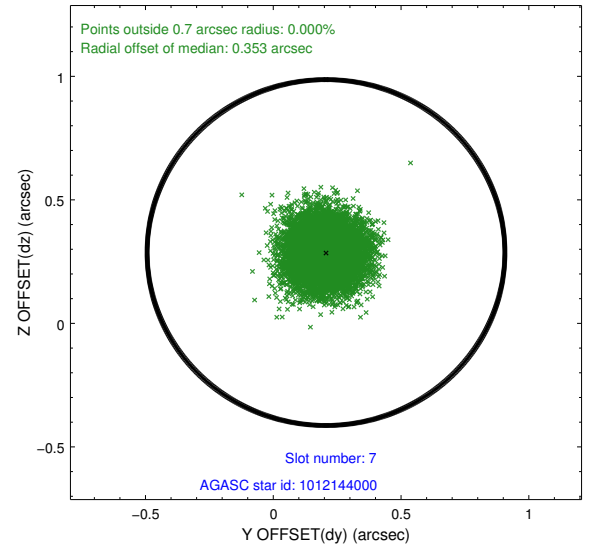
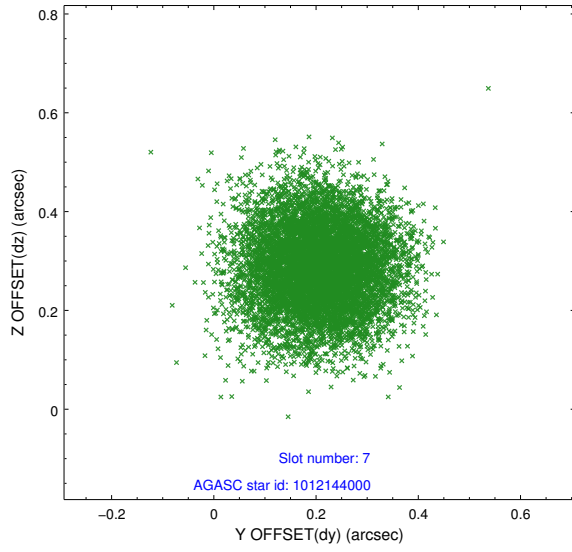
2.4.3 Slot 5



2.4.4 Slot 6

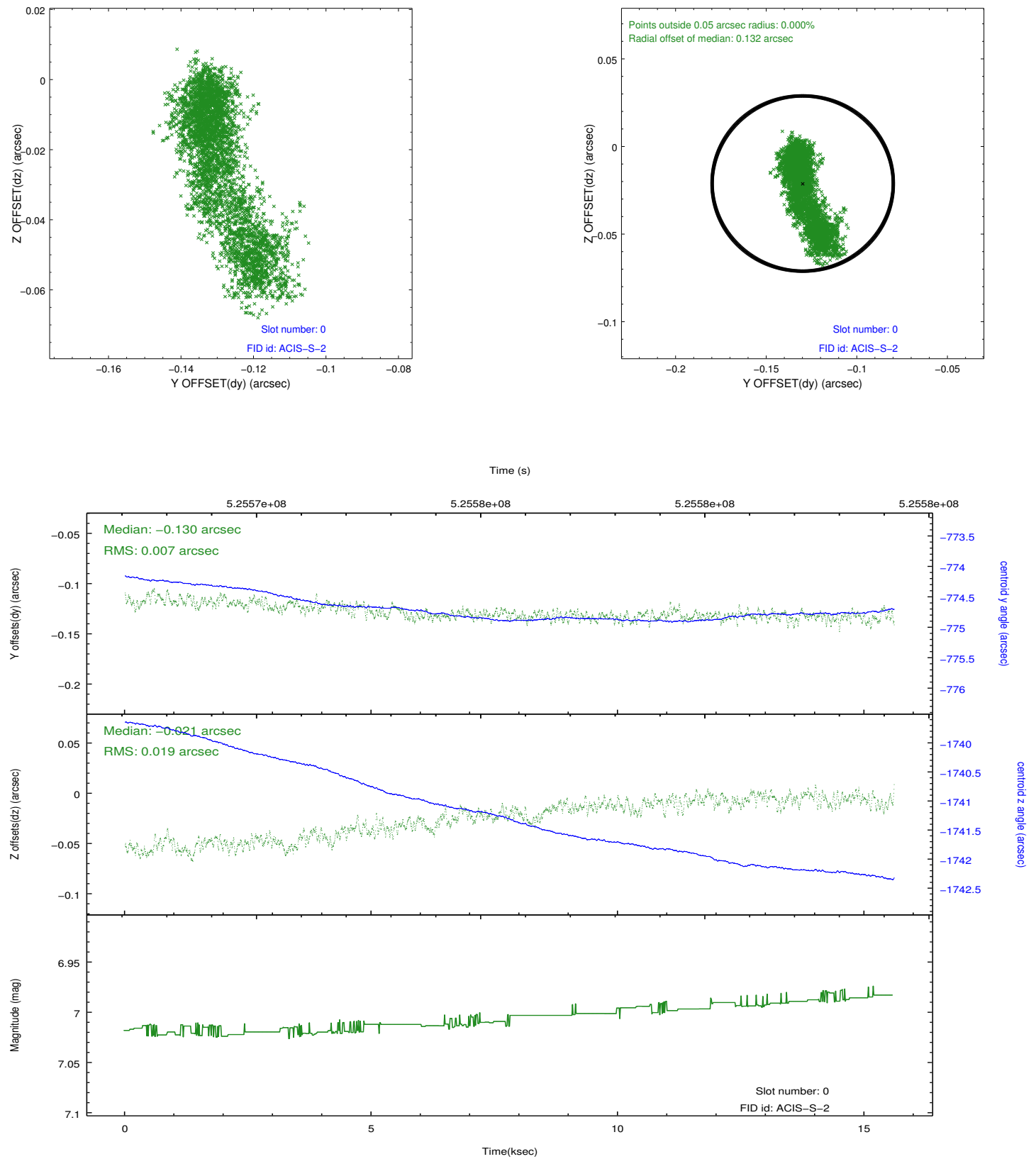


2.4.5 Slot 7

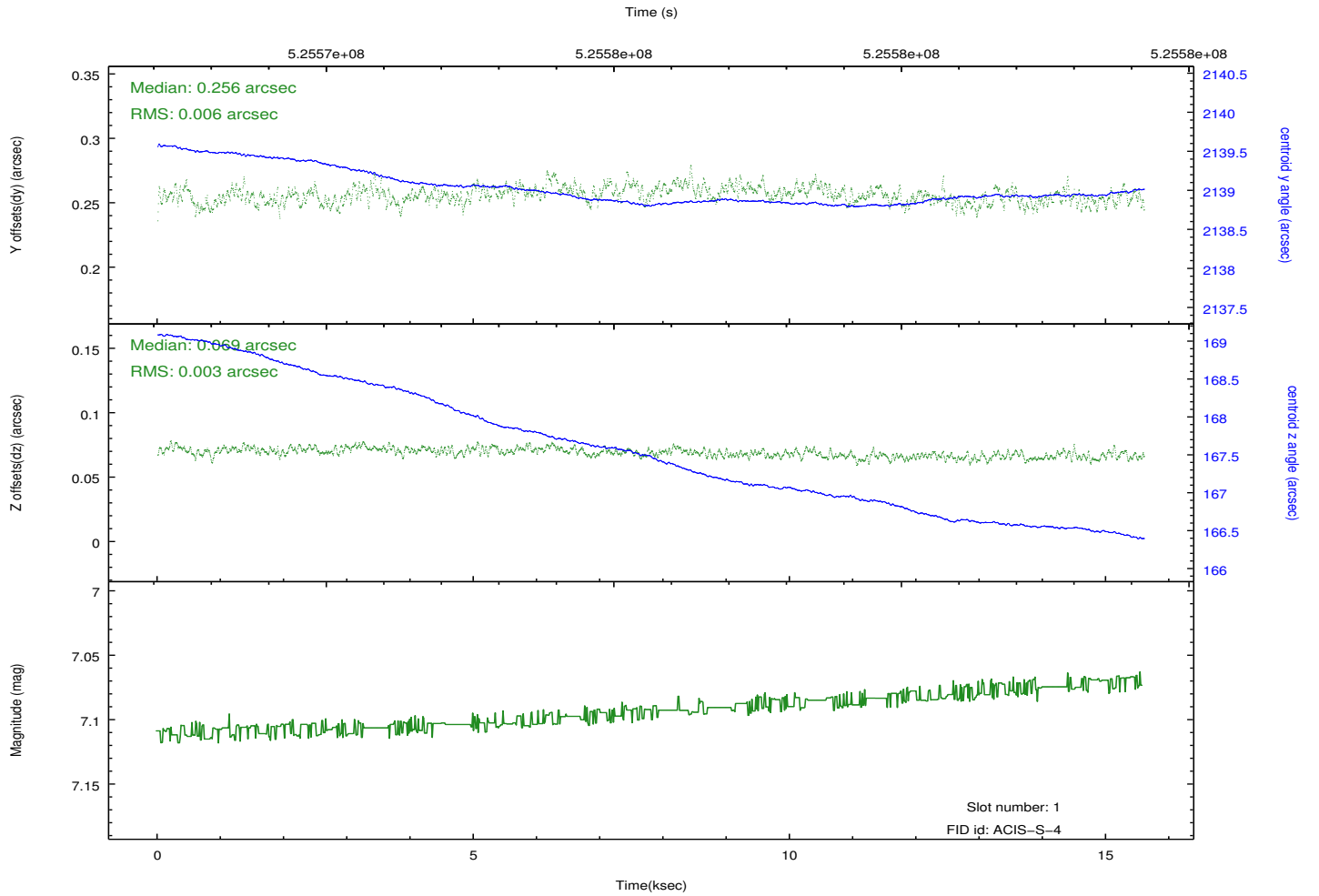
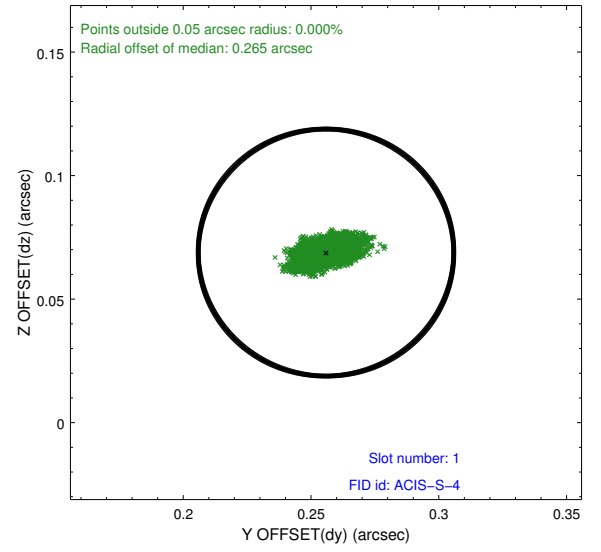
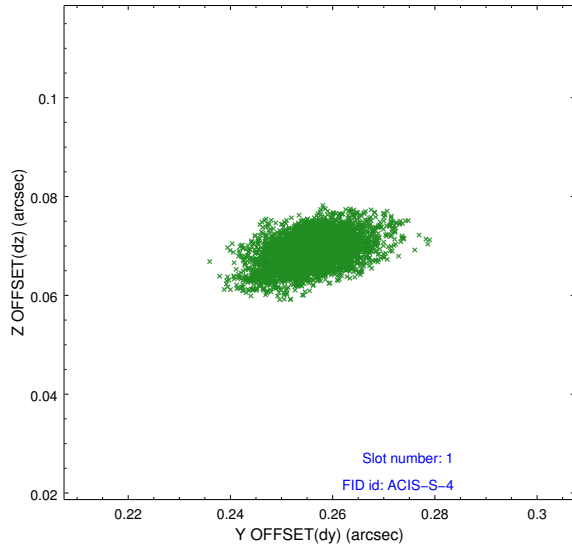


2.5 FID Slots

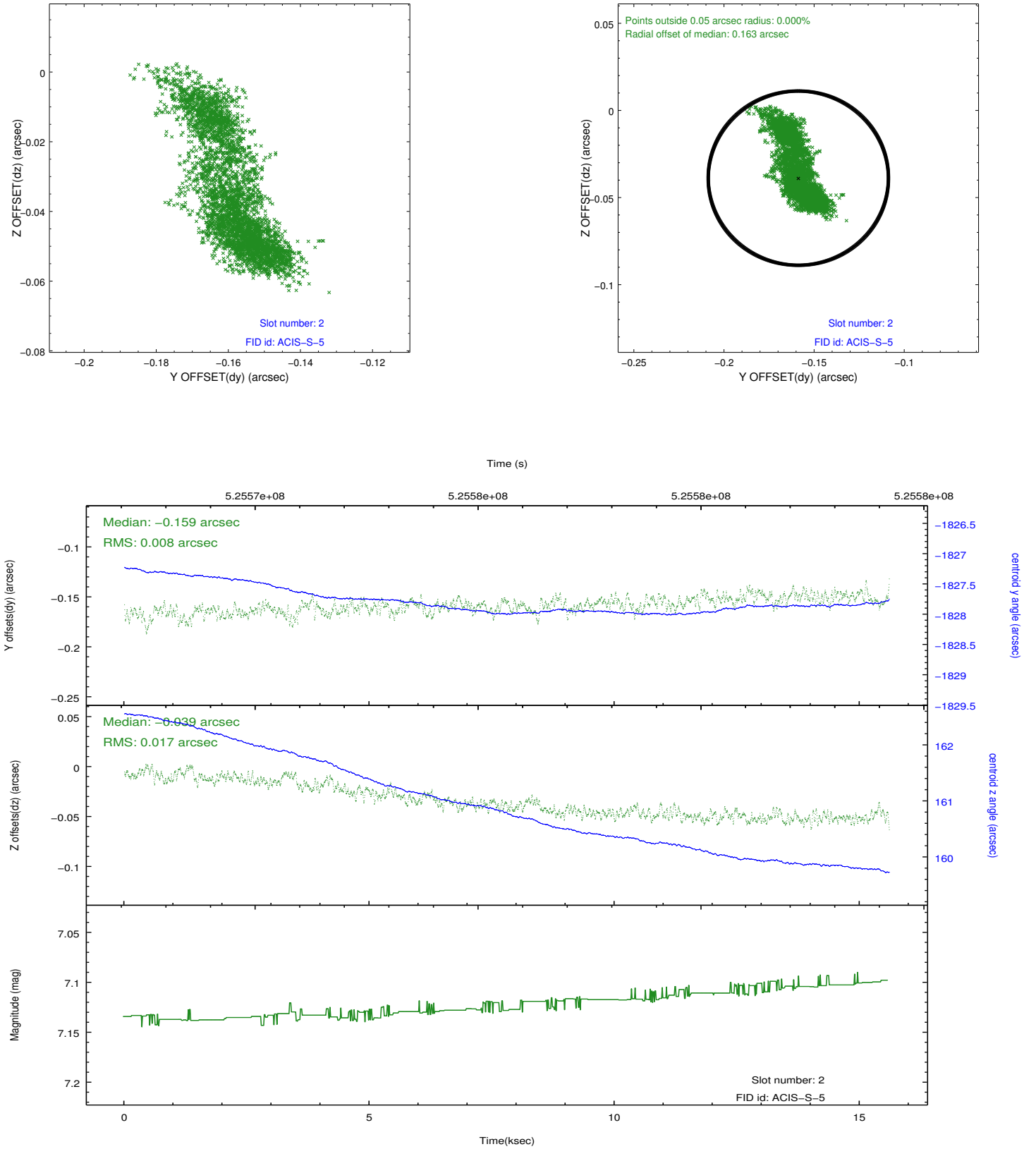
2.5.1 Slot 0



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)	2014.08.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.567106061637

A.2 Comments