

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16283 - L2 Version 1
Chandra X-Ray Center

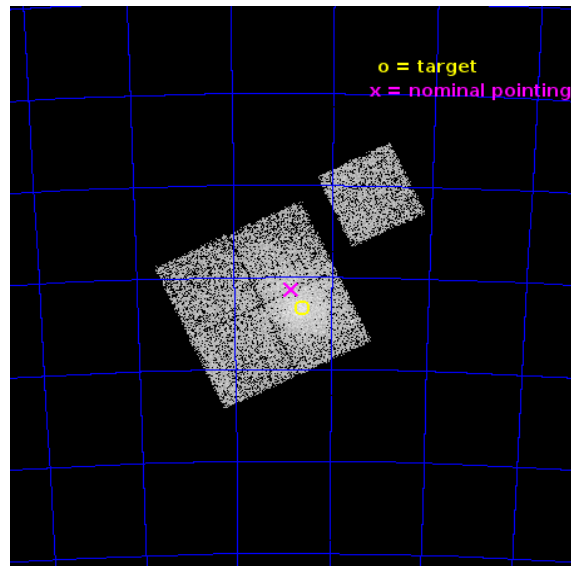
L2 Processing Date : Sep 17 2014

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1 Front

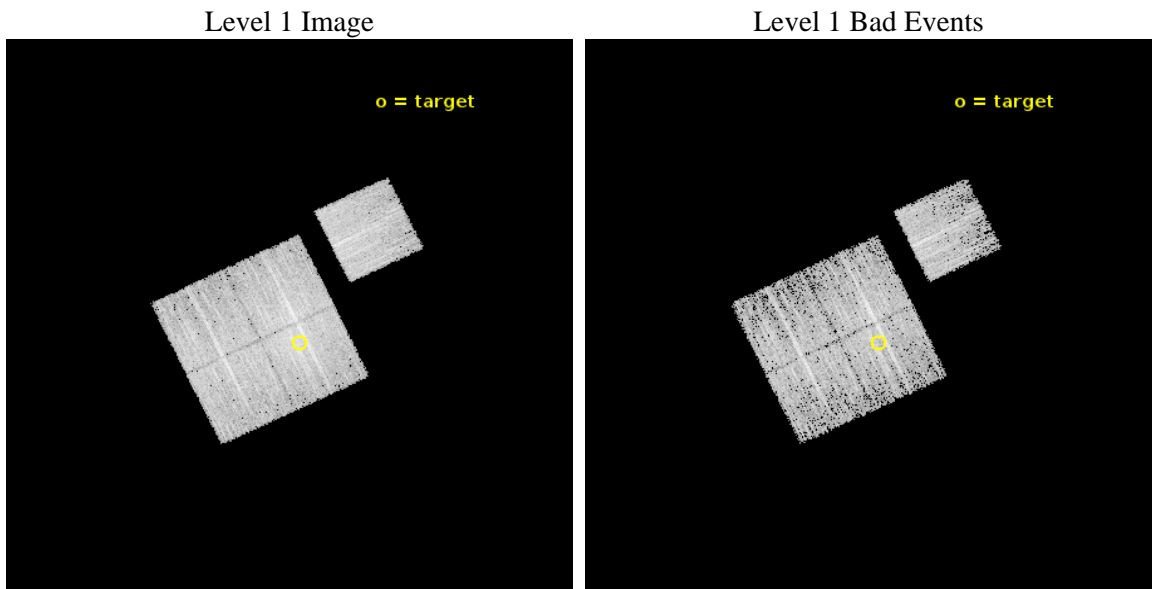
seq_num	801425	Sequence number
obs_id	16283	Observation id
title	Chandra observations of the Planck ESZ Cluster Sample	Proposal tit
observer	Dr. Stephen Murray	Principal investigator
object	G296.41-32.48	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	57.882083	Observer's specified target RA [deg]
dec_targ	-82.222222	Observer's specified target Dec [deg]
ra_nom	58.014707625524	Nominal RA [deg]
dec_nom	-82.189039044549	Nominal Dec [deg]
roll_nom	64.286820356106	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7455.5000573397	Sum of GTIs [s]
livetime	7358.0884604312	Livetime [s]
ontime0	7455.5000573397	Sum of GTIs [s]
ontime1	7455.5000573397	Sum of GTIs [s]
ontime2	7455.5000573397	Sum of GTIs [s]
ontime3	7455.5000573397	Sum of GTIs [s]
ontime6	7455.5000573397	Sum of GTIs [s]
l2events	34200	Number of level 2 events



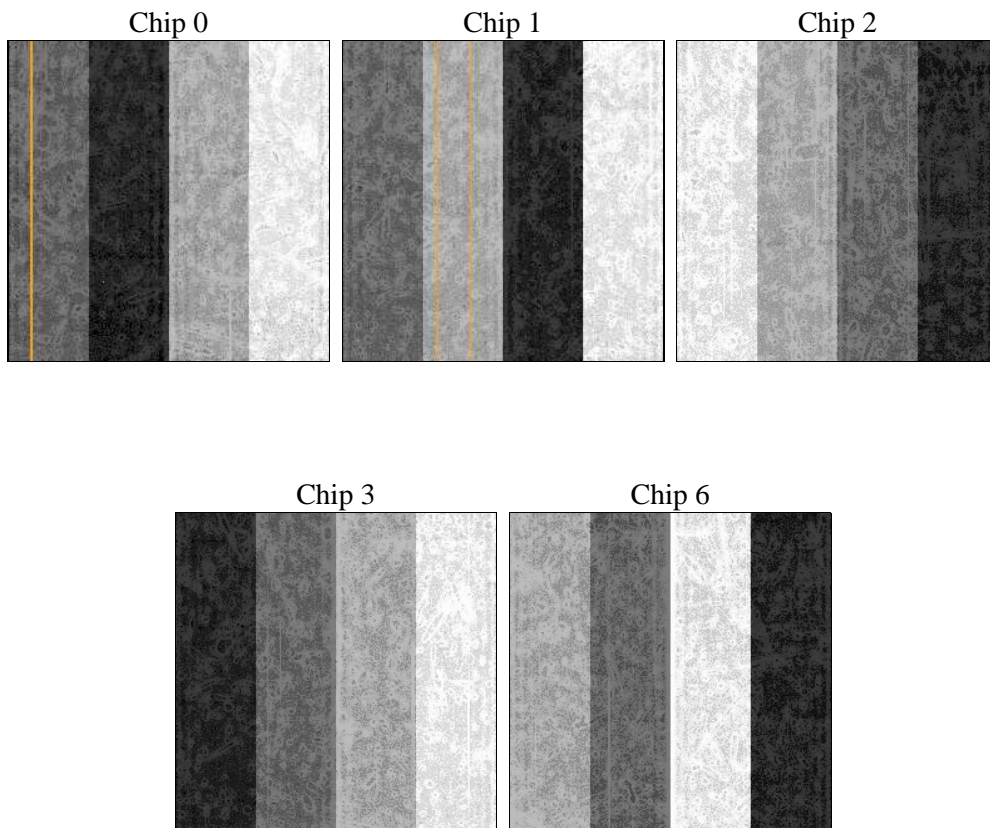
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7370.283000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	7455.5000573397	Sum of GTIs [s]
caldsver	4.6.3	 	ontime0	7455.5000573397	Sum of GTIs [s]
date	2014-09-17T20:11:01	Date and time of file creation	ontime1	7455.5000573397	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	7455.5000573397	Sum of GTIs [s]
			ontime3	7455.5000573397	Sum of GTIs [s]
			ontime6	7455.5000573397	Sum of GTIs [s]
			l1events	195356	Number of level 1 events

2.1.4 Events

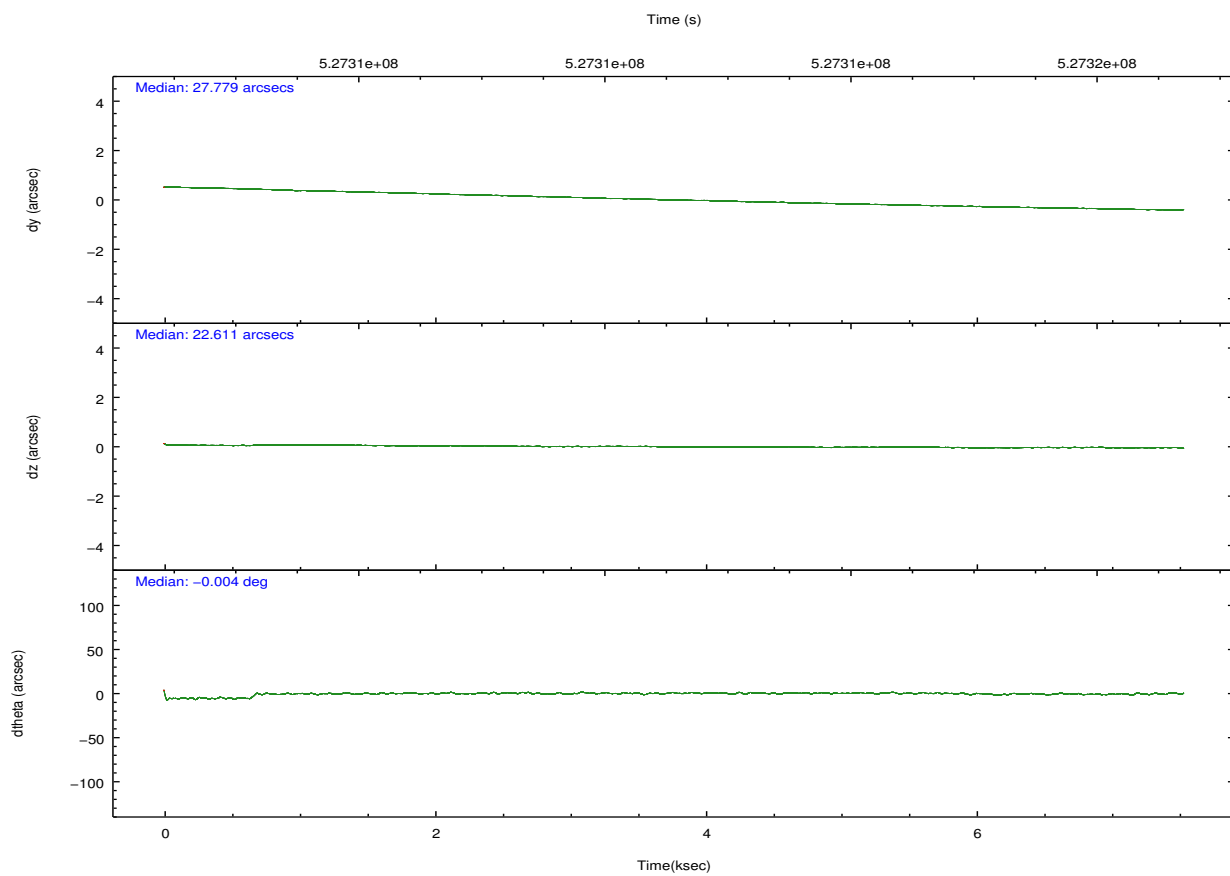
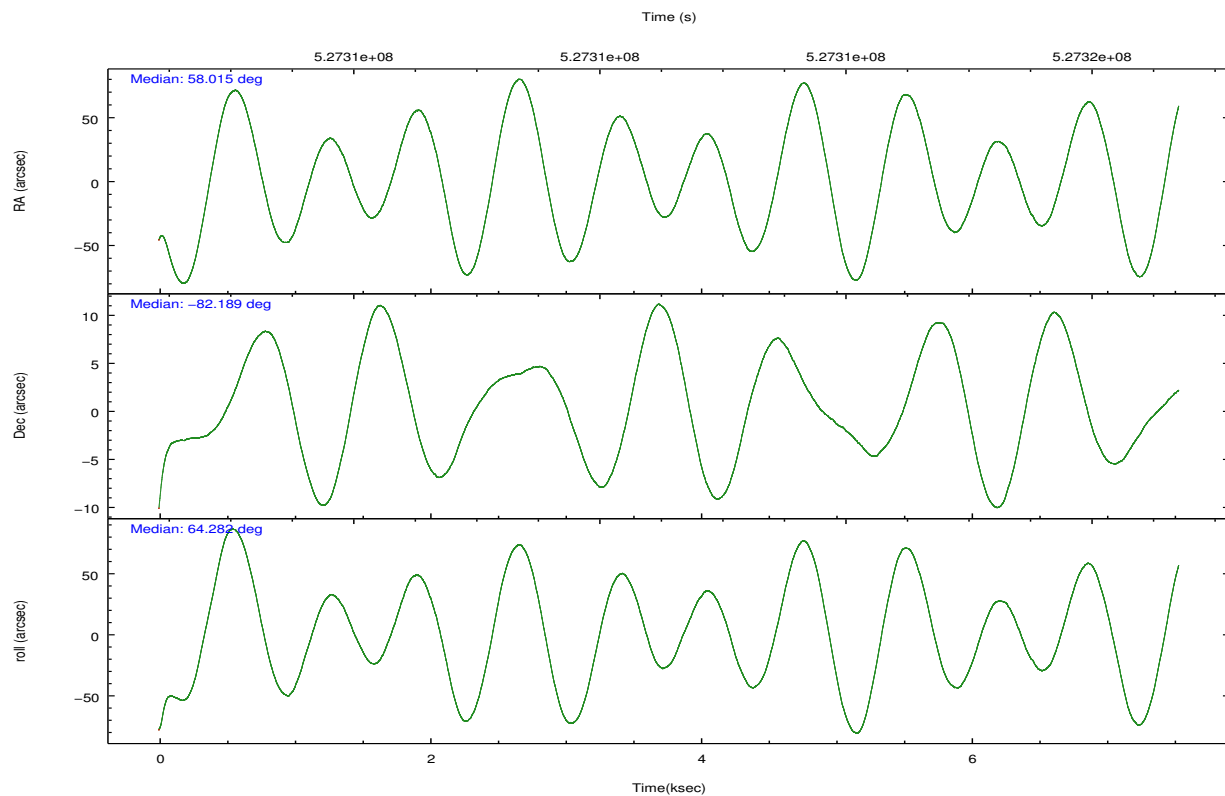
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	35685	37346	40591	41782	39952
rejected events	29284	30317	32918	30855	33721
rejected %	82%	81%	81%	73%	84%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	2896	3150	4172	6906	2600
	8%	8%	10%	16%	6%
grade 1 events	24	19	27	39	16
	0%	0%	0%	0%	0%
grade 2 events	1307	1516	1351	1620	1277
	3%	4%	3%	3%	3%
grade 3 events	522	539	545	623	527
	1%	1%	1%	1%	1%
grade 4 events	508	509	553	616	511
	1%	1%	1%	1%	1%
grade 5 events	1706	1766	1498	1974	1821
	4%	4%	3%	4%	4%
grade 6 events	1173	1317	1055	1164	1321
	3%	3%	2%	2%	3%
grade 7 events	27549	28530	31390	28840	31879
	77%	76%	77%	69%	79%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	58.031405	58.01470762552366	CCD I2 on	Y	Y
[deg] Pointing Dec	-82.216523	-82.18903904454885	CCD I3 on	Y	Y
[deg] Pointing Roll	64.094780	64.28682035610575	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	O1	Y
[mm] SIM translation stage pos	-225.842463	-225.8433433320239	CCD S3 on	N	N
[mm] SIM translation stage offset	-7.75	-7.749109670905796	CCD S4 on	N	N
[s] Observation start time (MET)	527308954.184000	527307958.84286	CCD S5 on	N	N
Observation start date	2014-09-17T02:41:27	2014-09-17T02:25:58	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	527316324.184000	527316559.10584	On-chip summing requested	N	N
Observation end date	2014-09-17T04:44:17	2014-09-17T04:49:19	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect

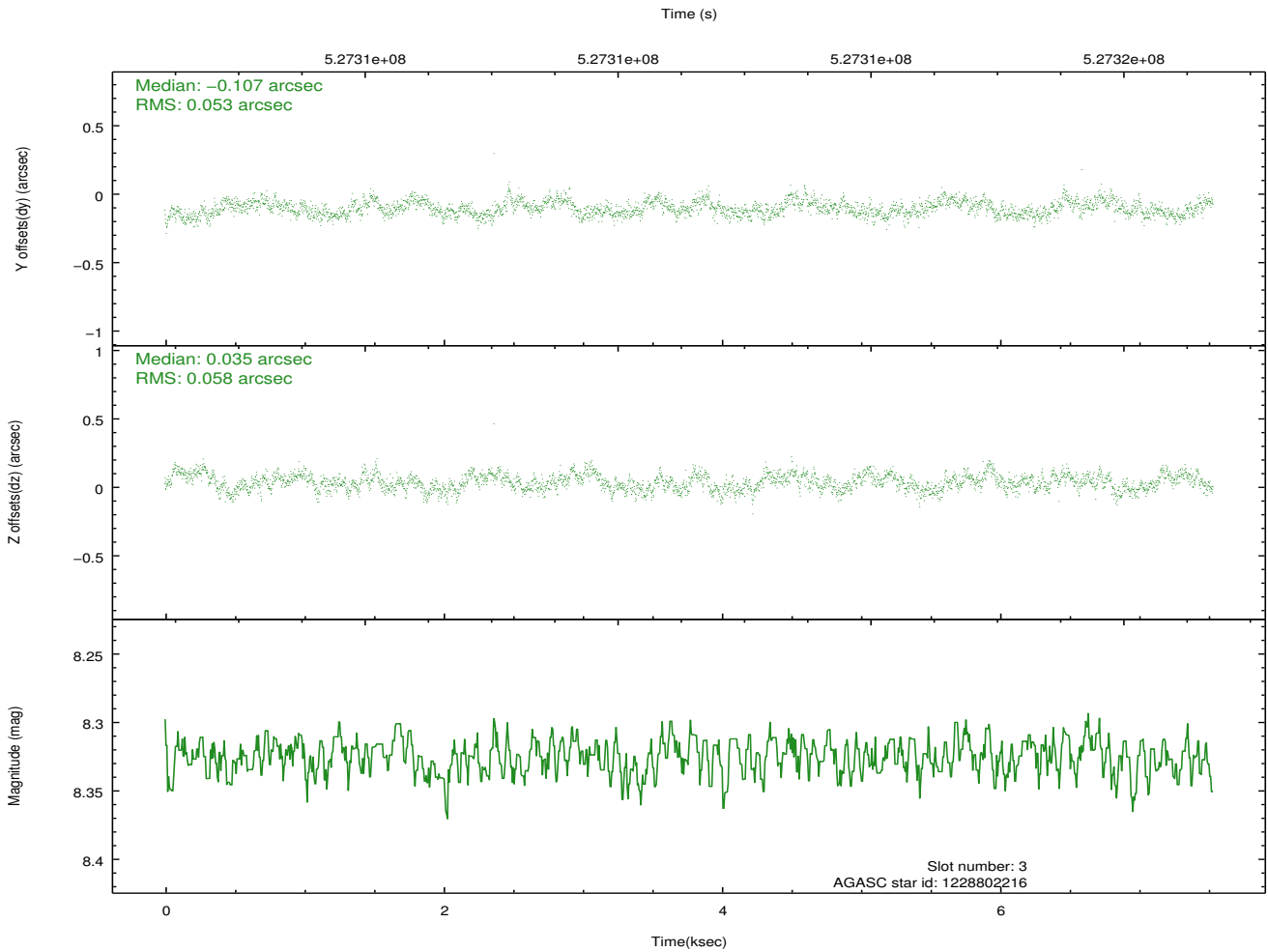
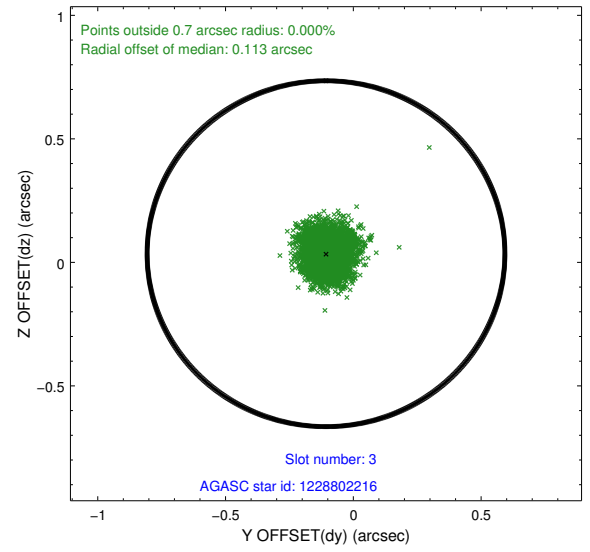
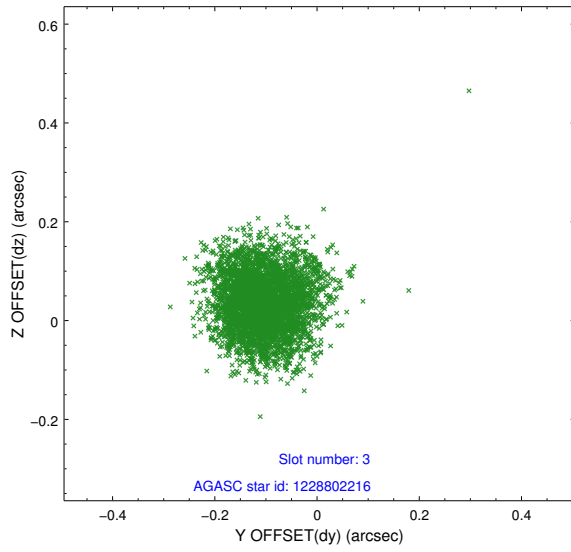


Slot Statistics

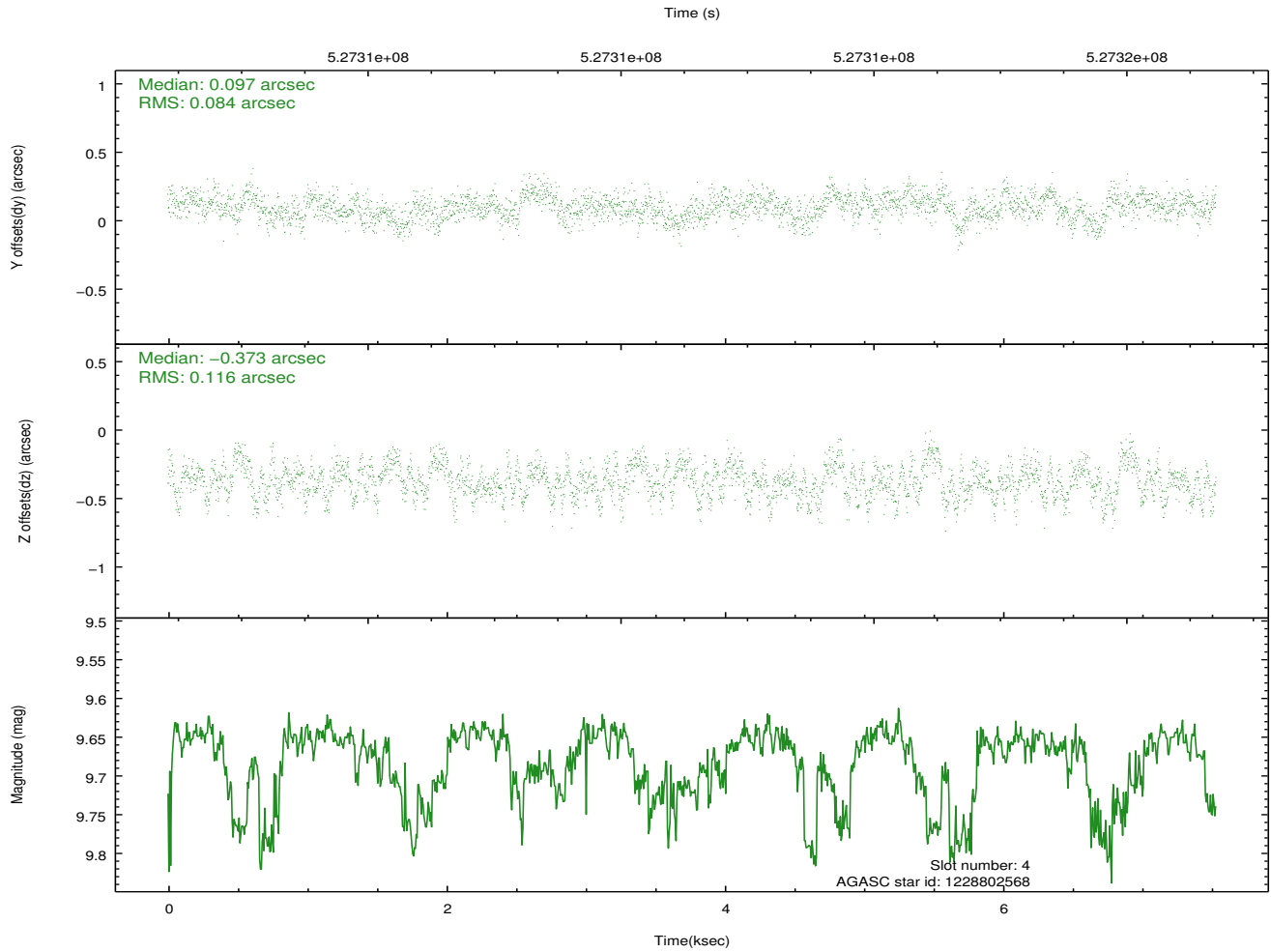
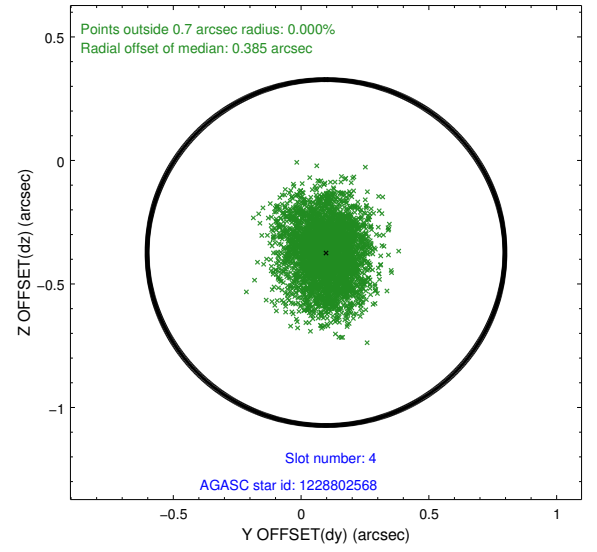
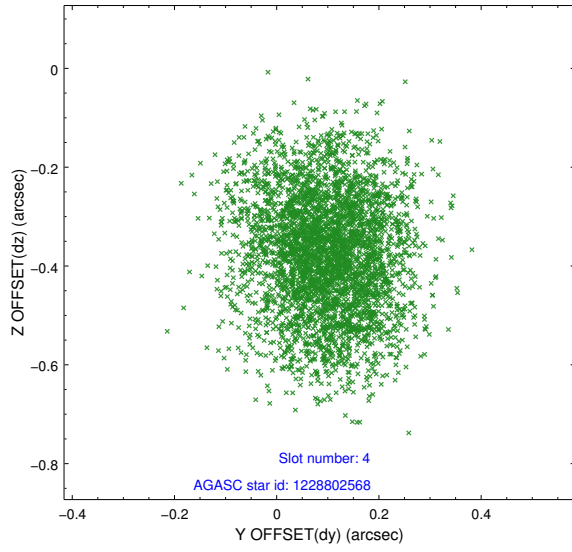
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	1838	0.033	-0.081	0.012	0.051	0.000000	0.000000	911.24	-1005.54
1	FID	ACIS-I-4	7.13	1838	0.421	0.065	0.010	0.042	0.000000	0.000000	2131.56	894.97
2	FID	ACIS-I-5	7.23	1837	-0.552	0.088	0.009	0.027	0.000000	0.000000	-1836.46	892.58
3	GUIDE	1228802216	8.32	3676	-0.107	0.035	0.084	0.133	55.292093	-82.486553	-1464.63	721.39
4	GUIDE	1228802568	9.67	3672	0.097	-0.373	0.154	0.247	55.742696	-82.062534	-18.60	1255.44
5	GUIDE	1228802672	8.89	3668	-0.230	-0.017	0.103	0.166	59.153370	-82.071578	708.05	-275.06
6	GUIDE	1228801592	9.41	3673	0.093	-0.103	0.132	0.217	53.942588	-82.313958	-1236.58	1585.29
7	GUIDE	1244140096	9.44	3674	0.149	0.447	0.139	0.231	62.432594	-82.591038	-390.57	-2458.16

2.4 Star Slots

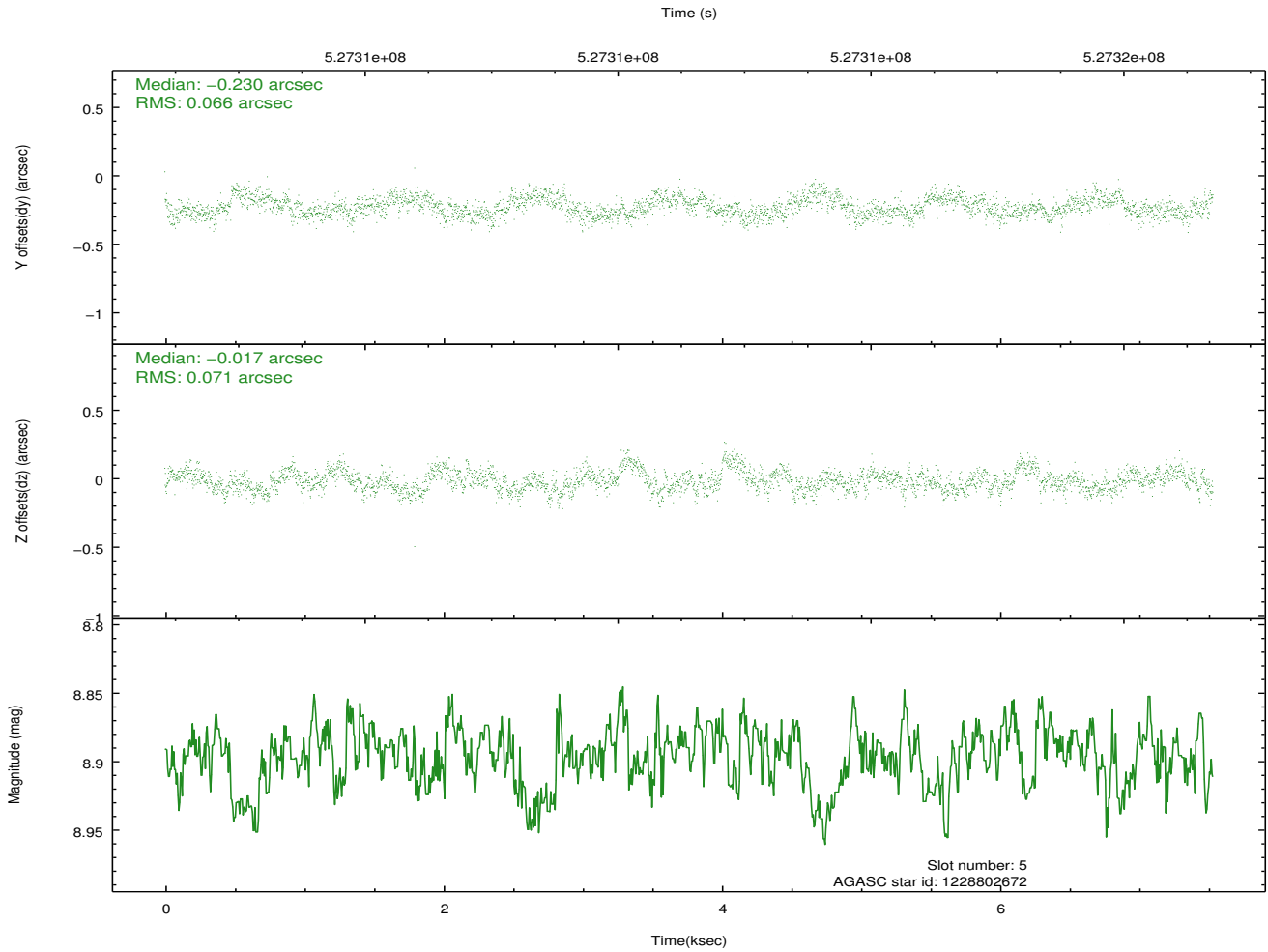
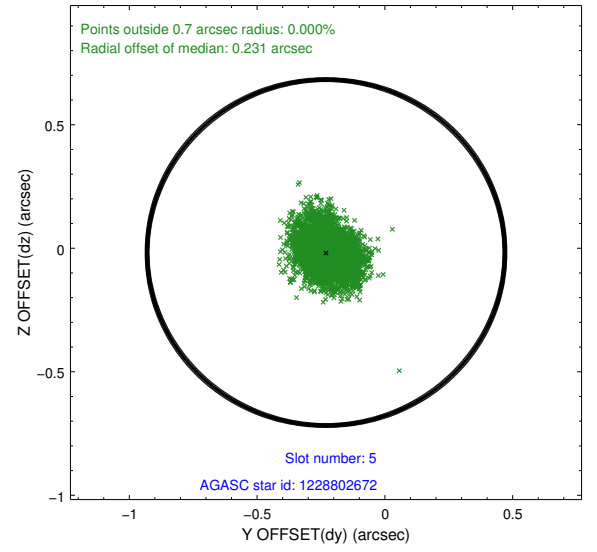
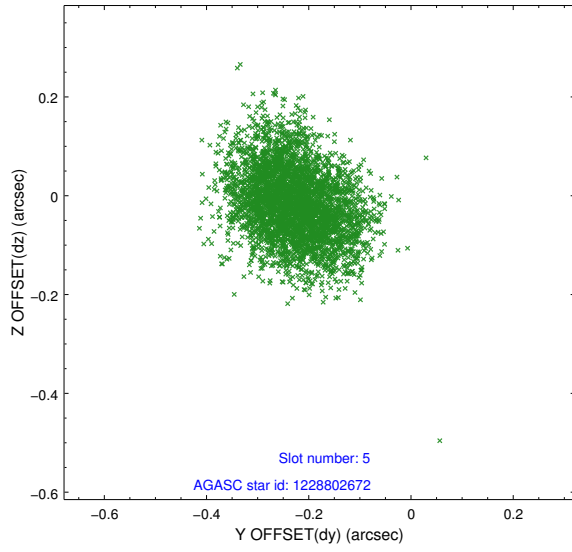
2.4.1 Slot 3



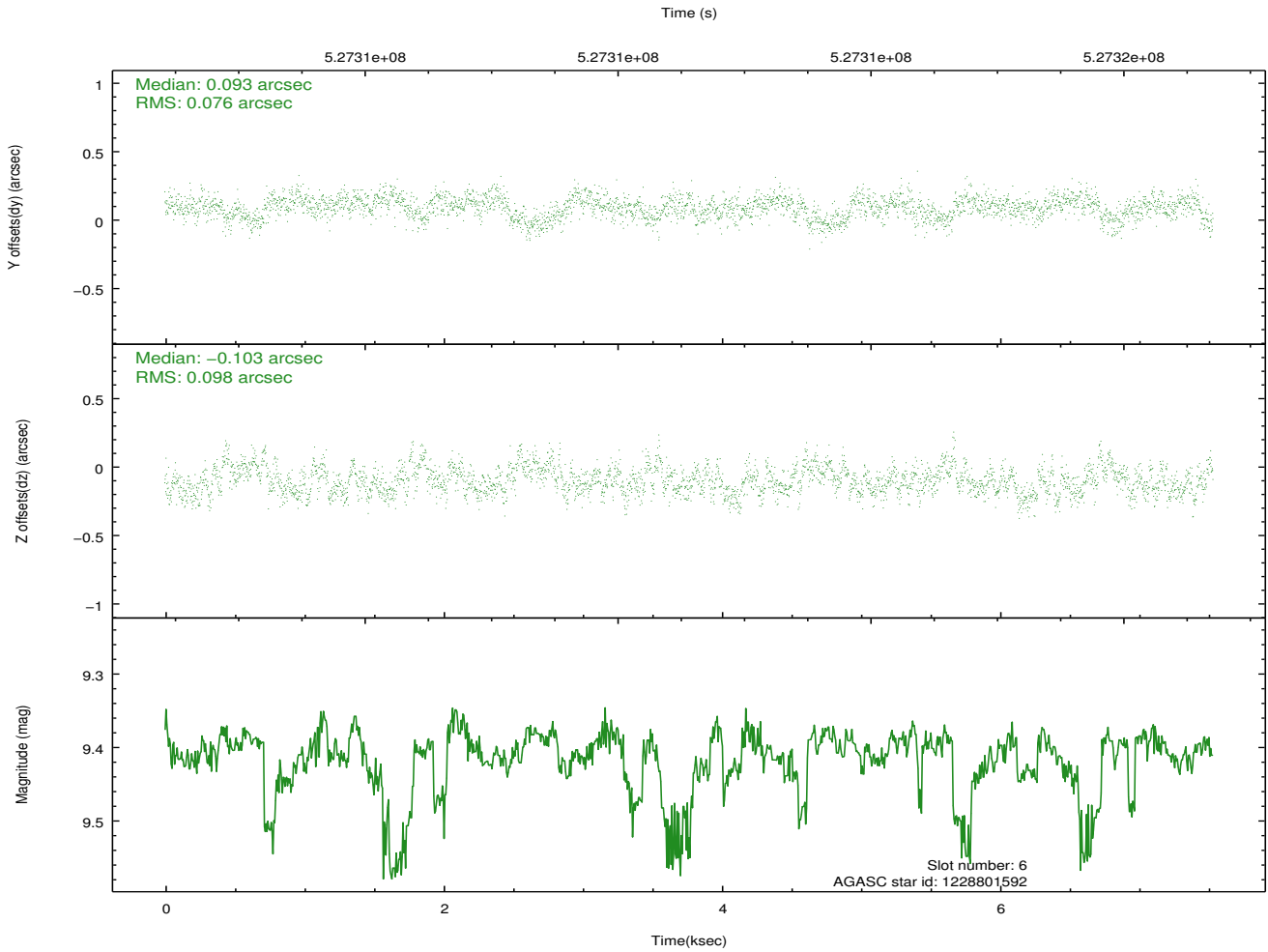
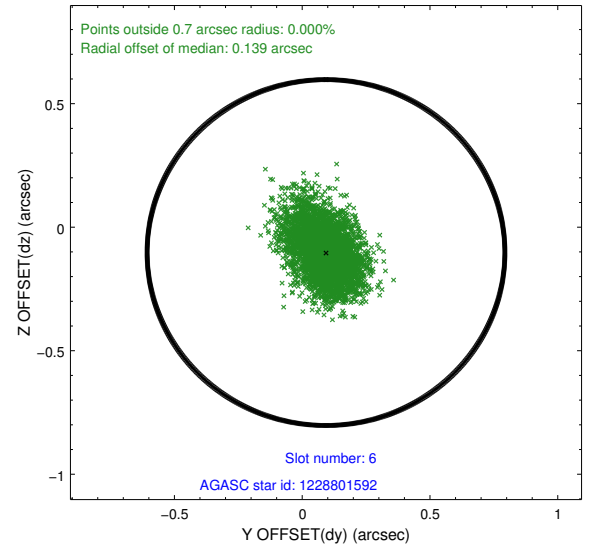
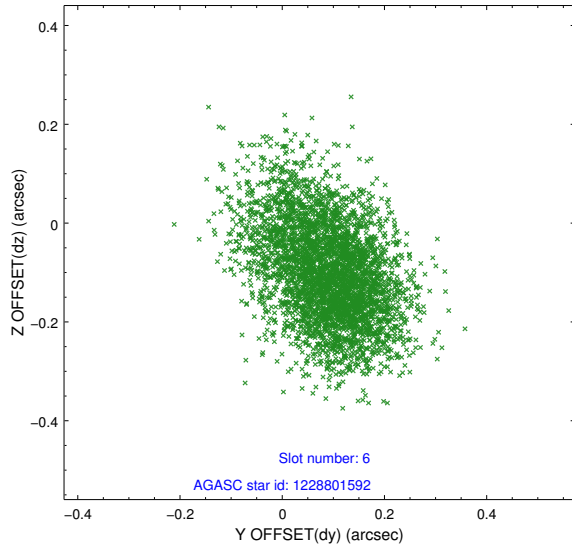
2.4.2 Slot 4



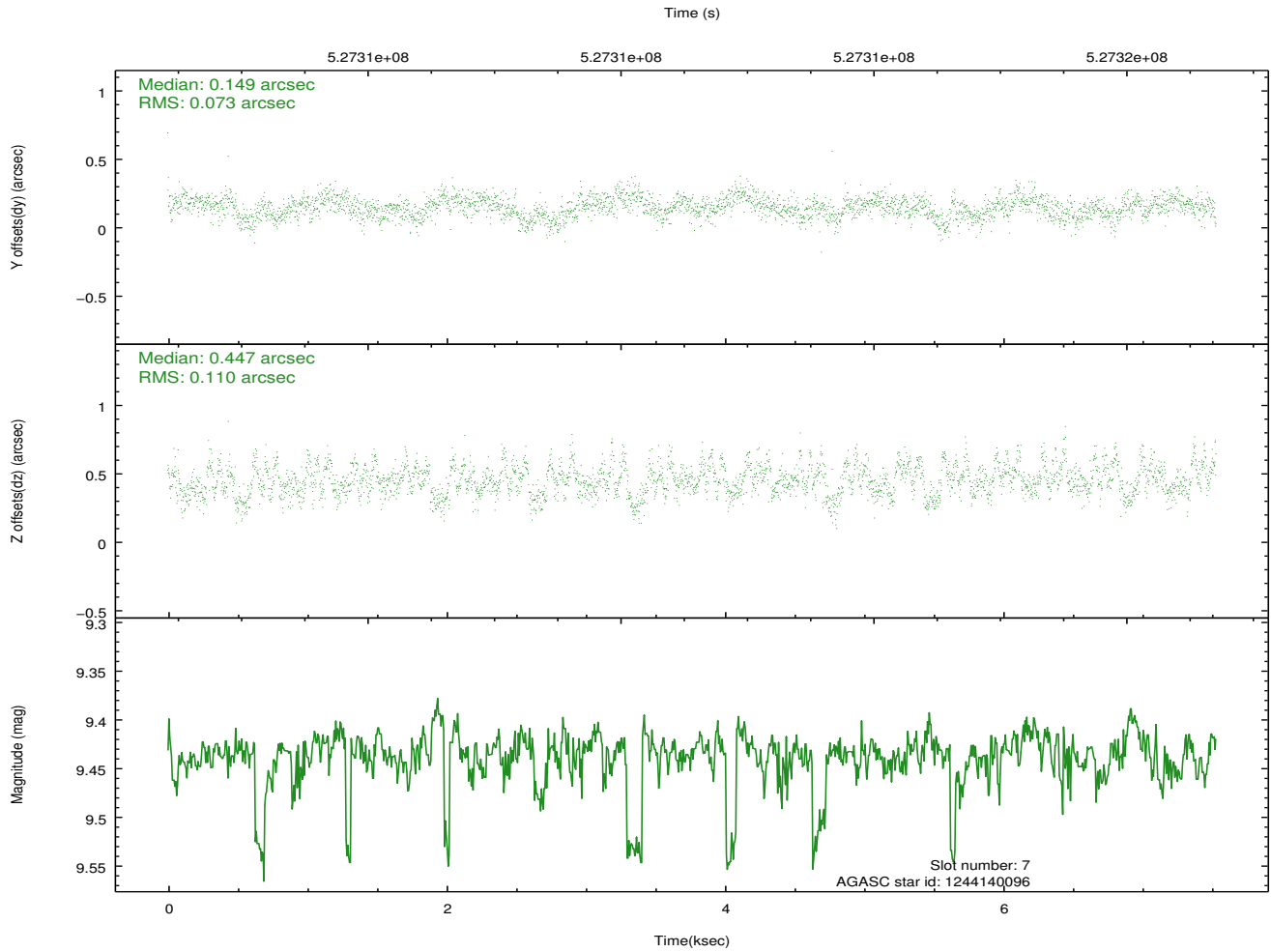
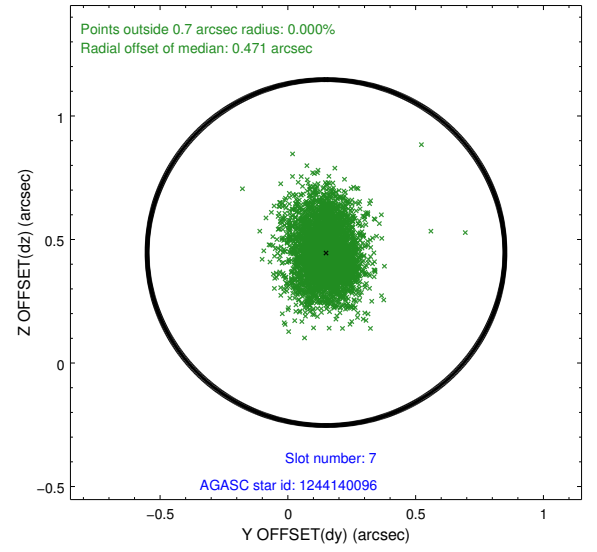
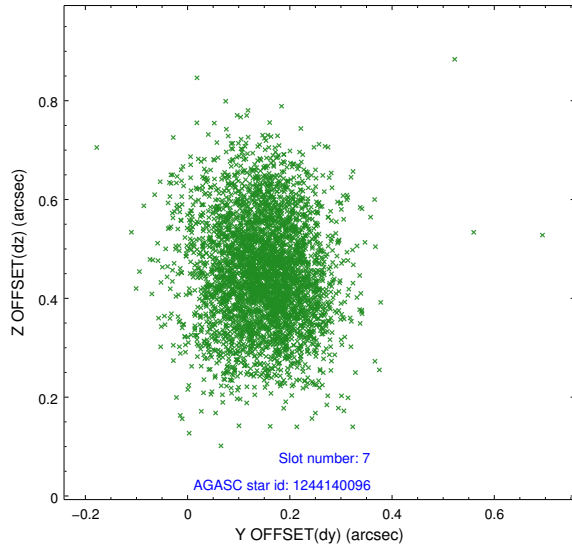
2.4.3 Slot 5



2.4.4 Slot 6

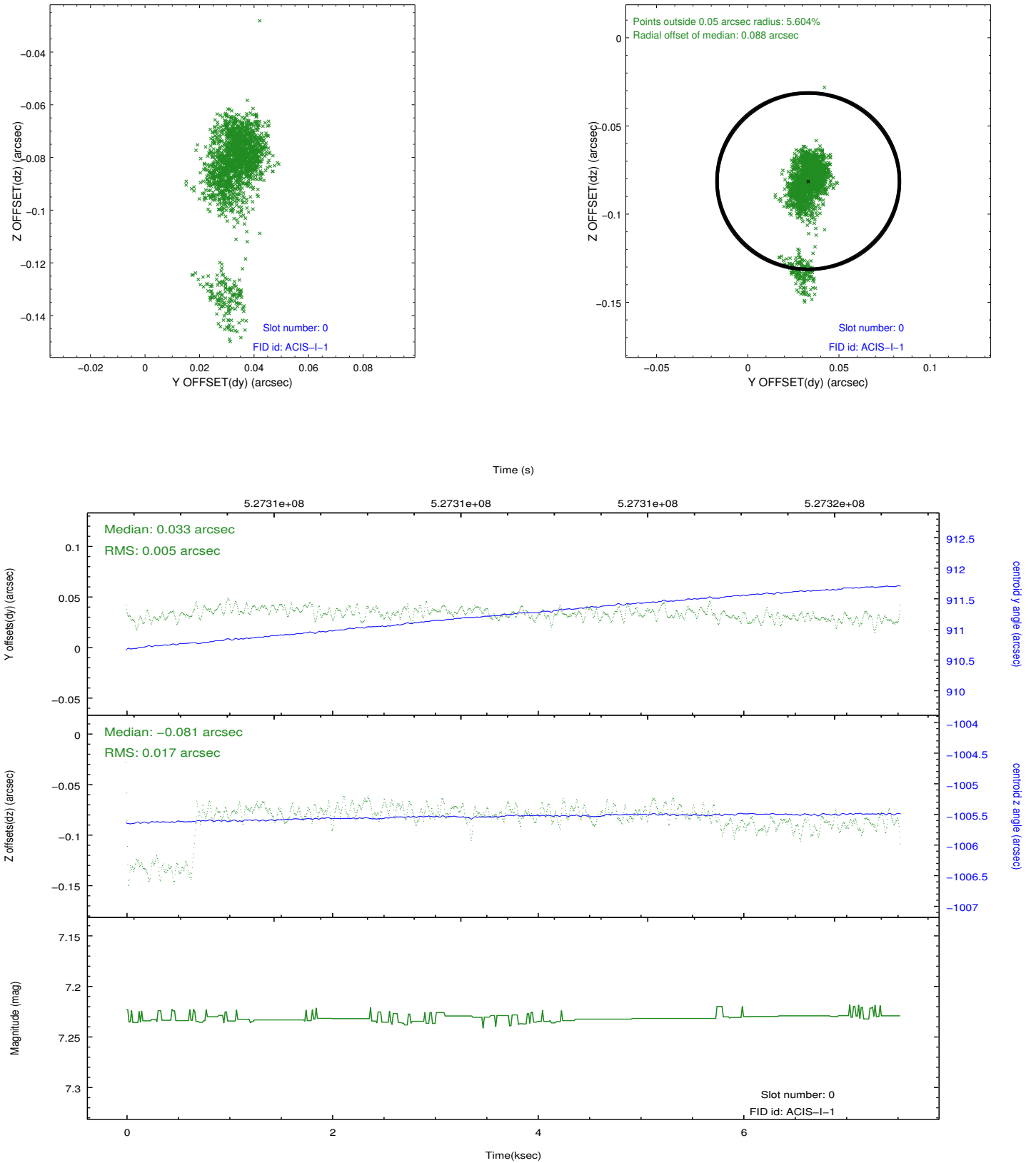


2.4.5 Slot 7

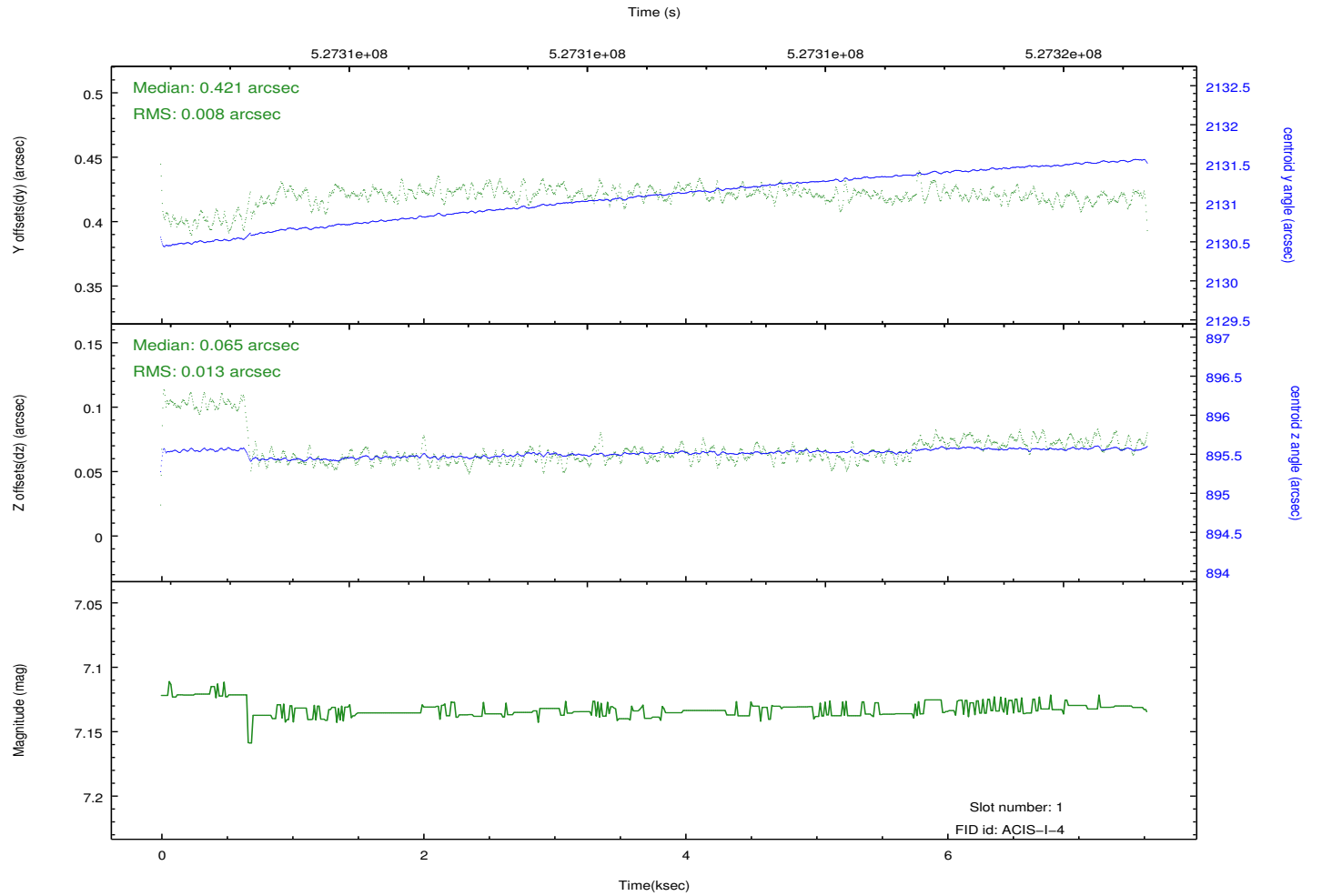
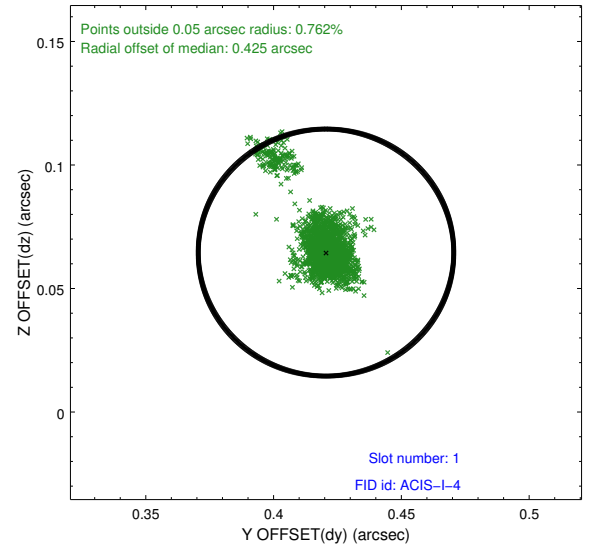
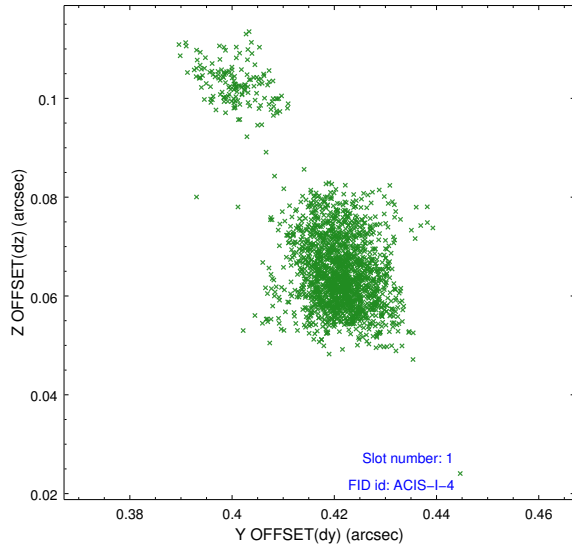


2.5 FID Slots

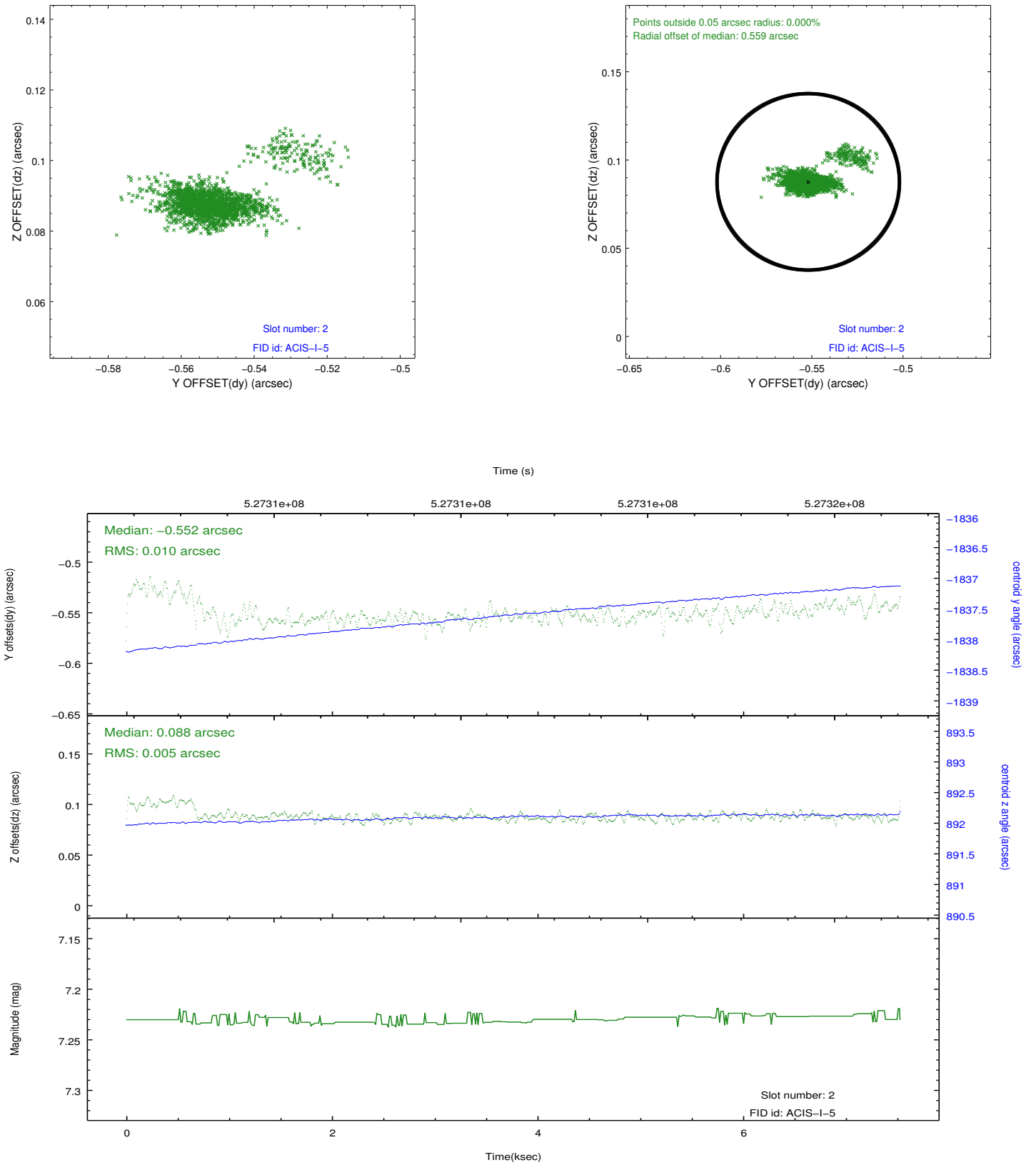
2.5.1 Slot 0



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)	2014.09.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.4555000573397

A.2 Comments