

V&V Reference Report

L2 ASCDS Version : 8.1.2

Observation 1052 - L2 Version 4

Chandra X-Ray Center

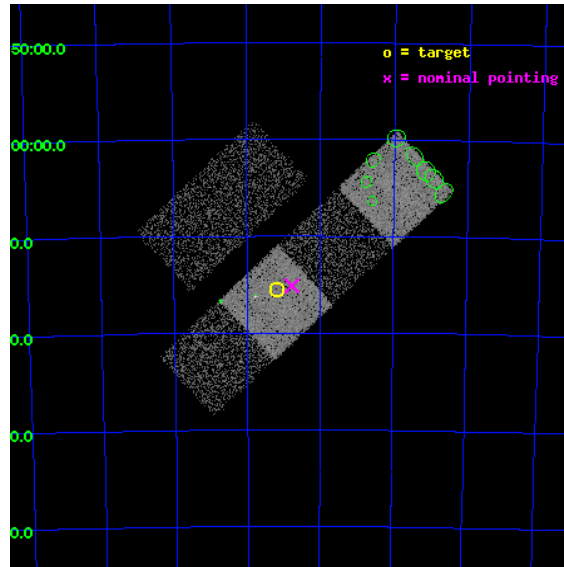
L2 Processing Date : Jul 10 2010

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1 Front

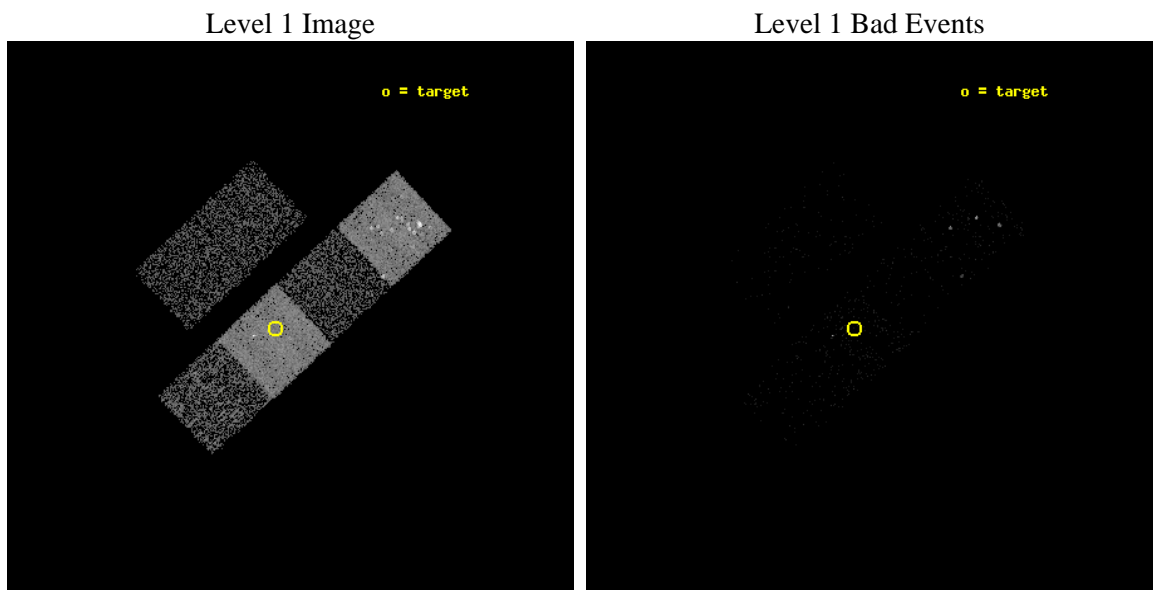
seq_num	780002	Sequence number
obs_id	1052	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	PKS0637-752	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	98.799577	Observer's specified target RA
dec_targ	-75.259367	Observer's specified target Dec
ra_nom	98.693849039825	Nominal RA
dec_nom	-75.25228065931	Nominal Dec
roll_nom	136.88532562996	Nominal Roll
revision	4	Processing version of data
ontime	1033.6000009626	Sum of GTIs [s]
livetime	1020.5119353912	Livetime [s]
ontime2	1033.6000009626	Sum of GTIs [s]
ontime3	1033.6000009626	Sum of GTIs [s]
ontime5	1033.6000009626	Sum of GTIs [s]
ontime6	1033.6000009626	Sum of GTIs [s]
ontime7	1033.6000009626	Sum of GTIs [s]
ontime8	1033.6000009626	Sum of GTIs [s]
l2events	34705	Number of level 2 events



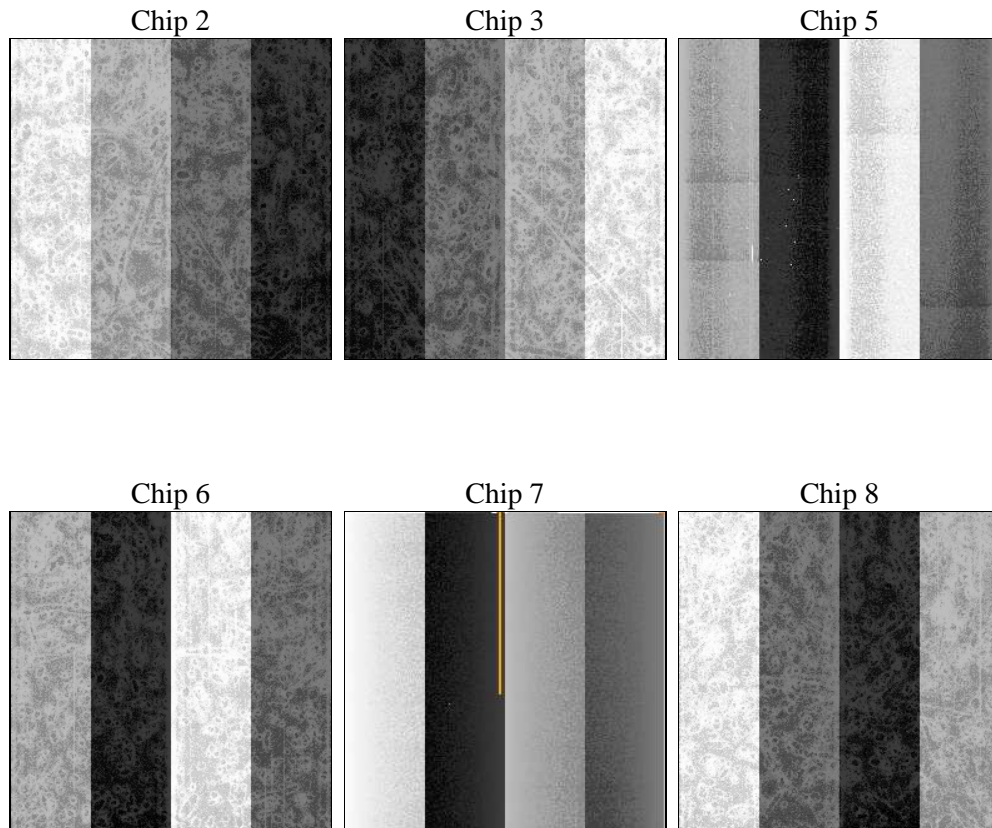
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	Scheduled observation exposure time
ascdsver	8.1.2	ASCDS version number	ontime	1033.6000009626	Sum of GTIs [s]
caldsver	4.1.4	 	ontime2	1033.6000009626	Sum of GTIs [s]
date	2009-12-14T05:38:03	Date and time of file creation	ontime3	1033.6000009626	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	1033.6000009626	Sum of GTIs [s]
			ontime6	1033.6000009626	Sum of GTIs [s]
			ontime7	1033.6000009626	Sum of GTIs [s]
			ontime8	1033.6000009626	Sum of GTIs [s]
			l1events	46640	Number of level 1 events

2.1.4 Events

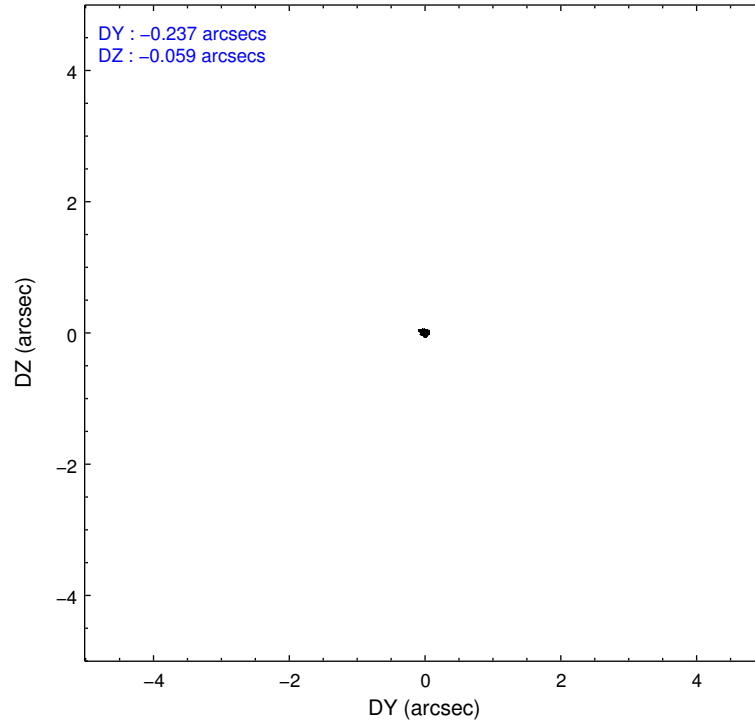
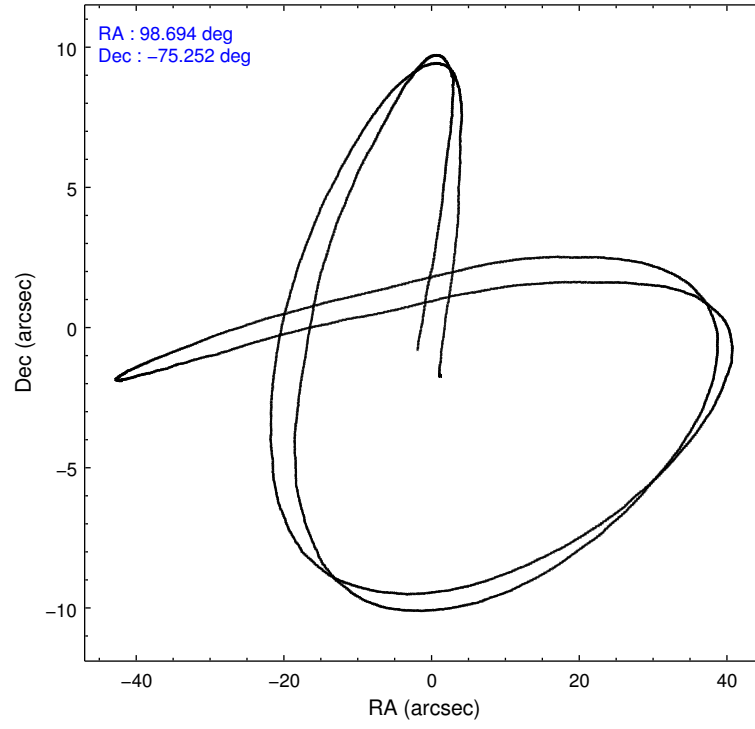
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	2530	2473	18936	2961	15751	3989
rejected events	702	701	1489	883	1576	894
rejected %	27%	28%	7%	29%	10%	22%

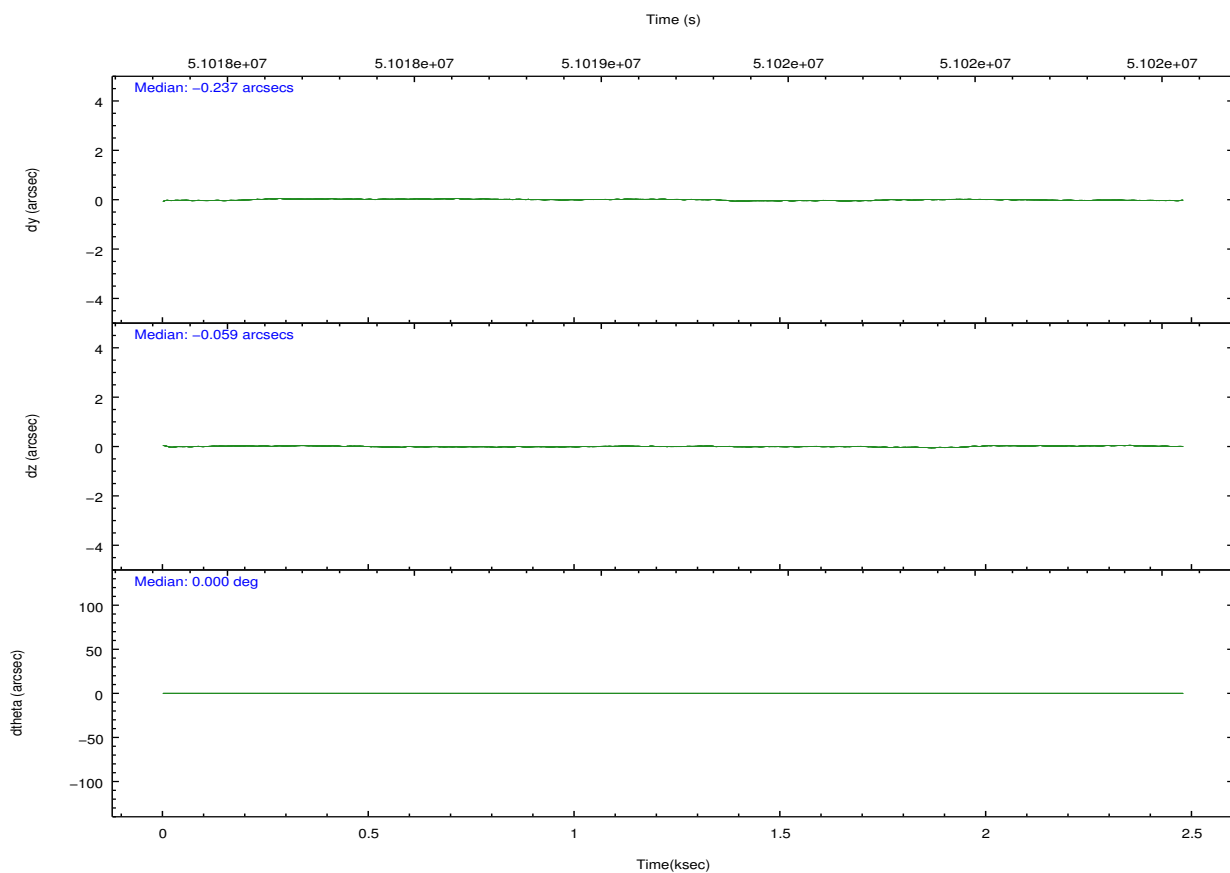
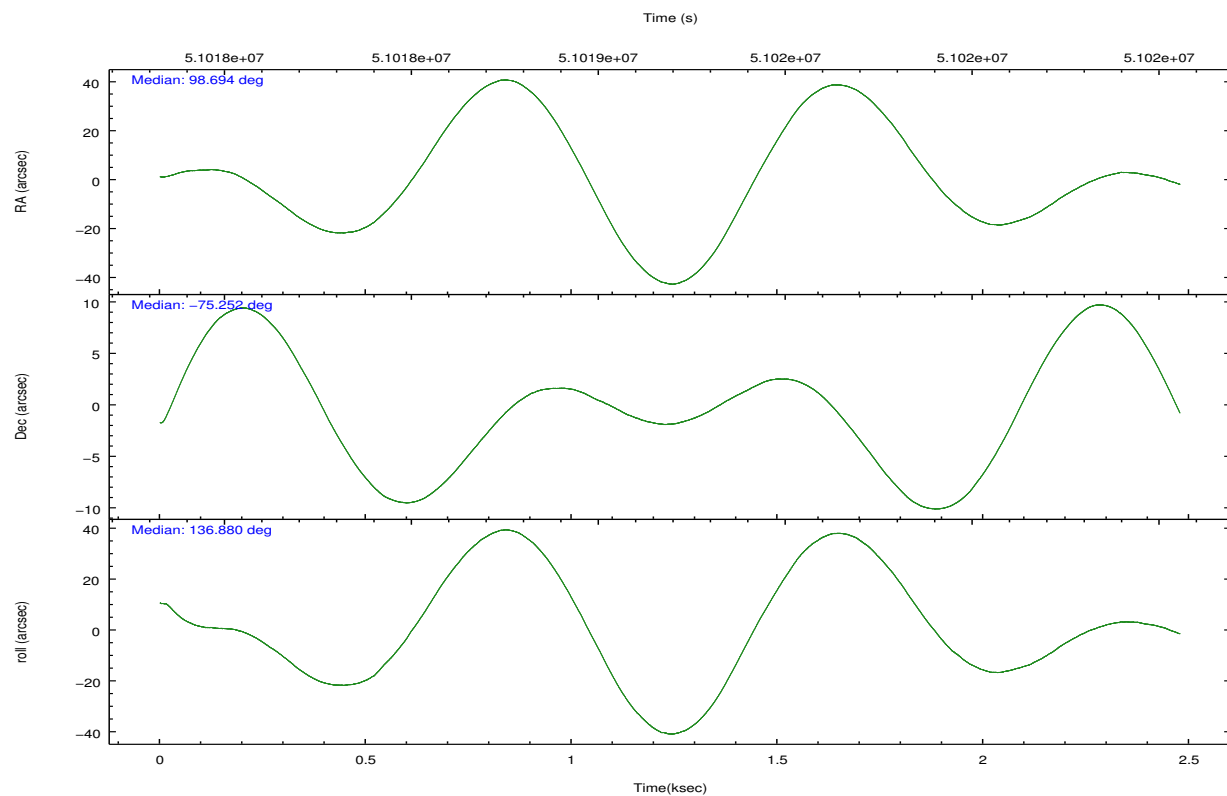
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	485	496	4262	553	1271	754
	19%	20%	22%	18%	8%	18%
grade 1 events	5	3	306	7	26	4
	0%	0%	1%	0%	0%	0%
grade 2 events	386	365	2694	402	1987	788
	15%	14%	14%	13%	12%	19%
grade 3 events	170	171	1139	206	1100	256
	6%	6%	6%	6%	6%	6%
grade 4 events	147	155	1076	169	973	274
	5%	6%	5%	5%	6%	6%
grade 5 events	685	693	1044	857	1407	862
	27%	28%	5%	28%	8%	21%
grade 6 events	652	590	8415	767	8987	1051
	25%	23%	44%	25%	57%	26%
grade 7 events	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Observation mode	POINTING	POINTING	Number of optional ACIS chips dropped	0	0
Pointing RA	98.799570	98.69384903982515	On-chip summing requested	N	N
Pointing Dec	-75.259371	-75.25228065930978	Subarray requested	NONE	NONE
Pointing Roll	136.830932	136.8853256299552	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	0.255451383487682	Primary exposure time	0.000000	3.2
SIM defocus (mm)	0	0.9397188447875782			
SIM translation stage pos (mm)	-190.132523	-190.1325231039672			
SIM translation stage offset (mm)	0	5.209593894051068e-07			
Observation start time	51018444.184000	51017778.174496			
Observation start date	1999-08-14T11:46:20	1999-08-14T11:36:18			
Observation end time	51020444.184000	51020557.974594			
Observation end date	1999-08-14T12:19:40	1999-08-14T12:22:37			
Read mode	TIMED	TIMED			

2.3 Aspect



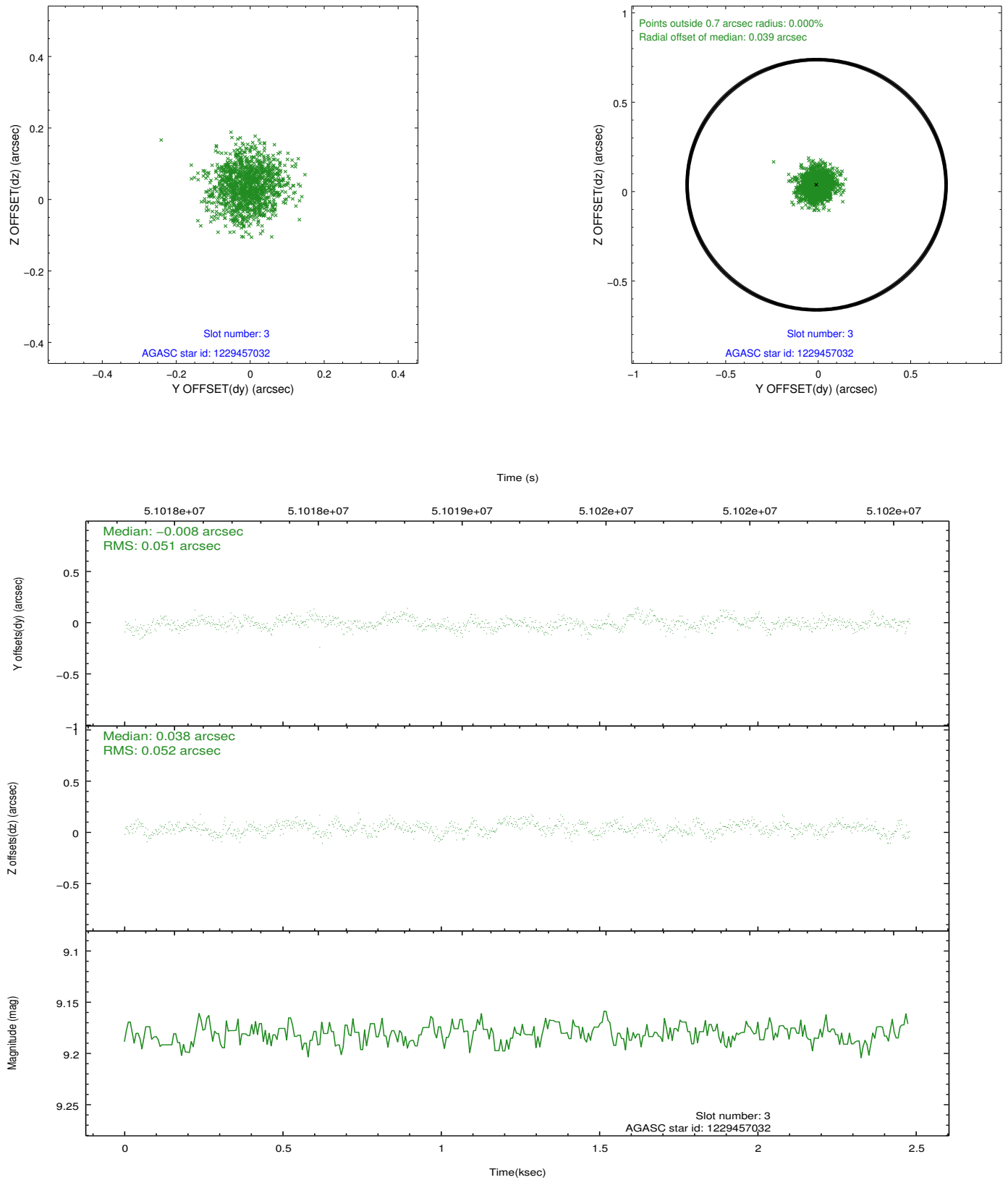


Slot Statistics

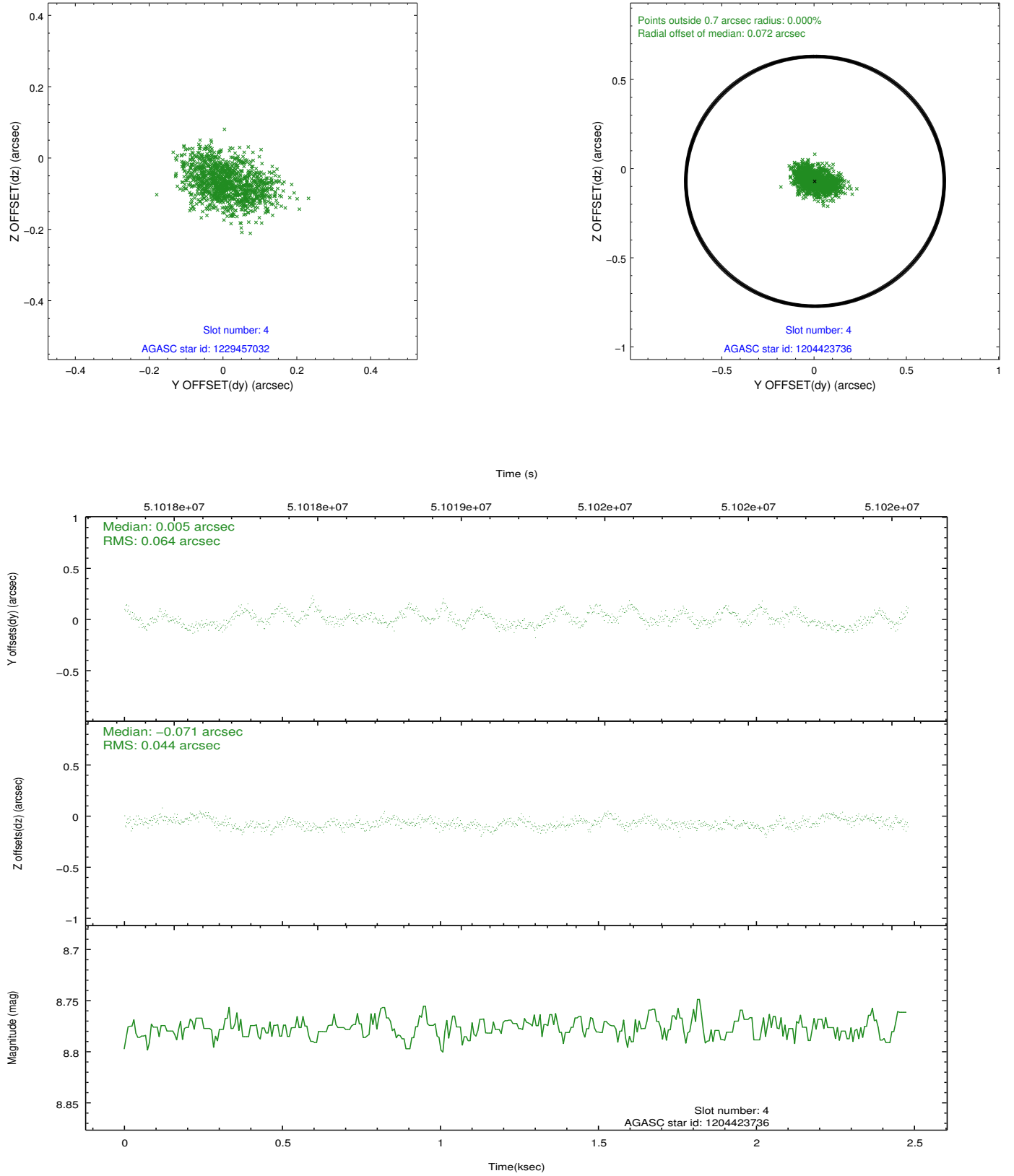
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
1	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
2	FID	ACIS-S-6	7.36	1205	-0.007	0.004	0.000	0.000	0.000000	0.000000	409.55	824.84
3	GUIDE	1229457032	9.18	1209	-0.008	0.038	0.078	0.124	100.958417	-75.581890	-2230.56	-449.89
4	GUIDE	1204423736	8.78	1210	0.005	-0.071	0.085	0.135	99.272017	-74.796122	811.72	-1519.08
5	GUIDE	1229330120	9.08	1210	-0.060	0.034	0.087	0.136	98.874898	-75.821050	-1432.47	1429.45
6	GUIDE	1229331616	9.91	1188	-0.002	0.034	0.100	0.158	96.182998	-75.347362	1482.15	1901.95
7	GUIDE	1204427384	9.89	1207	0.063	-0.036	0.107	0.171	98.538441	-74.593615	1821.95	-1573.60

2.4 Star Slots

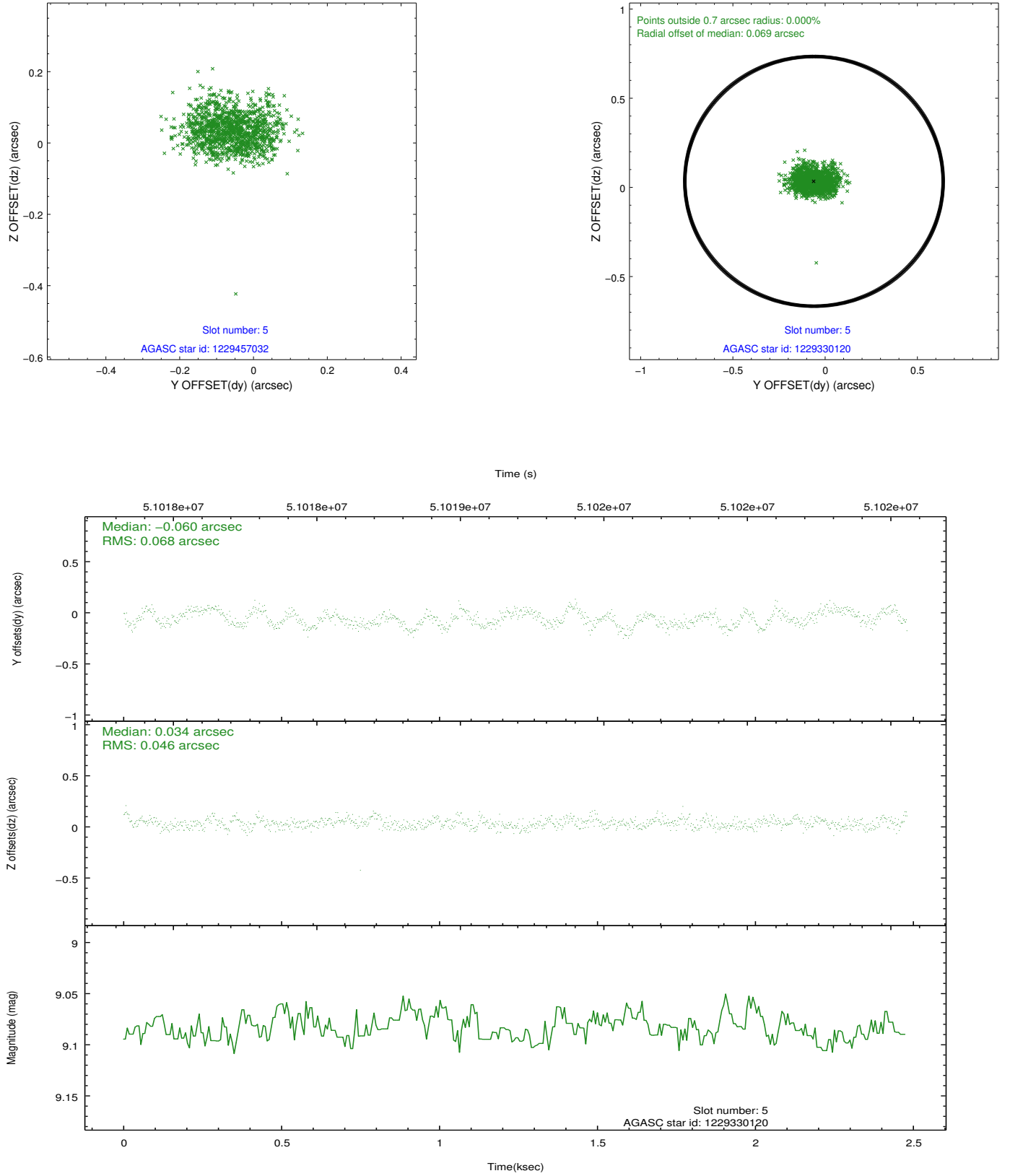
2.4.1 Slot 3



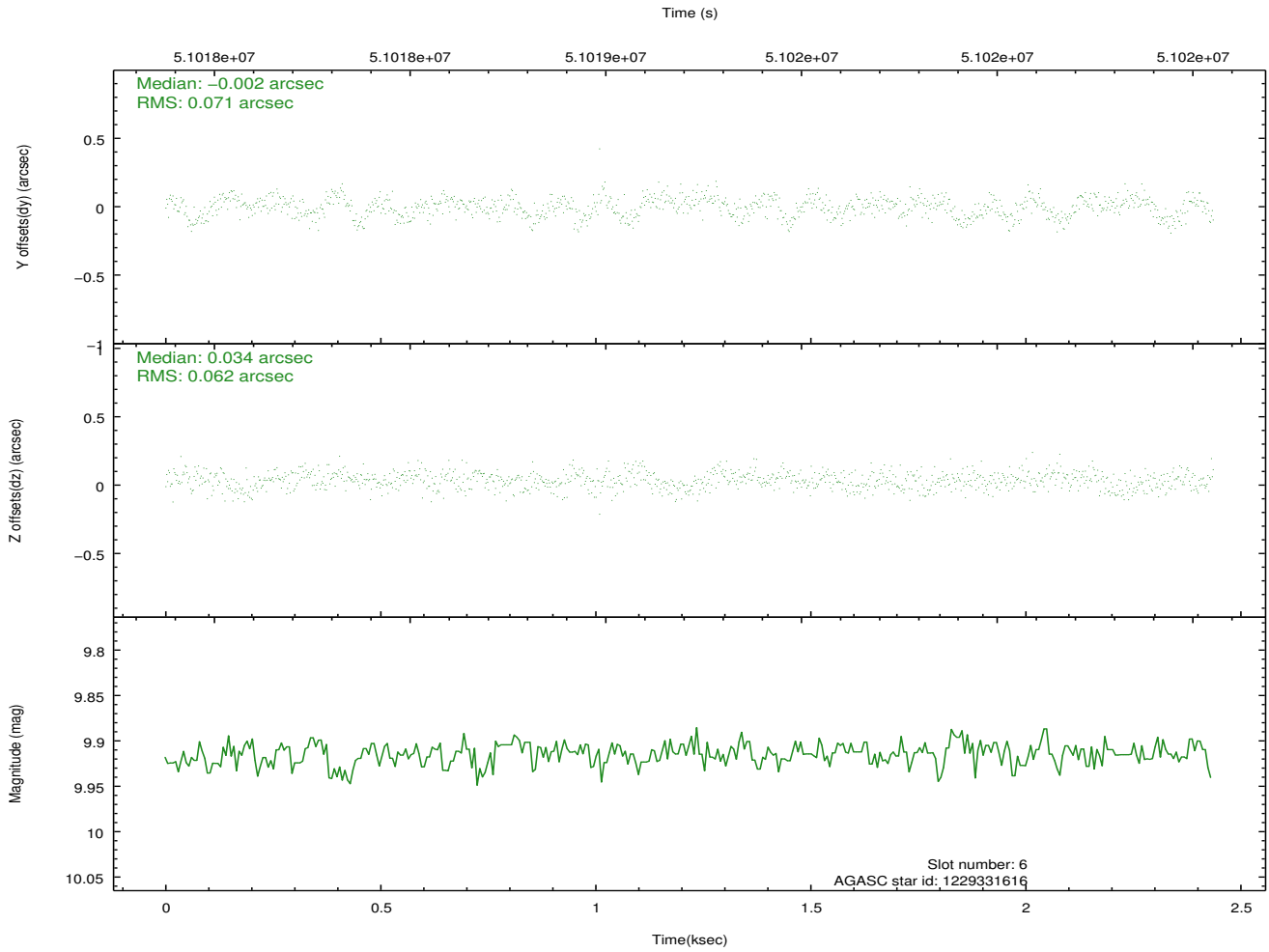
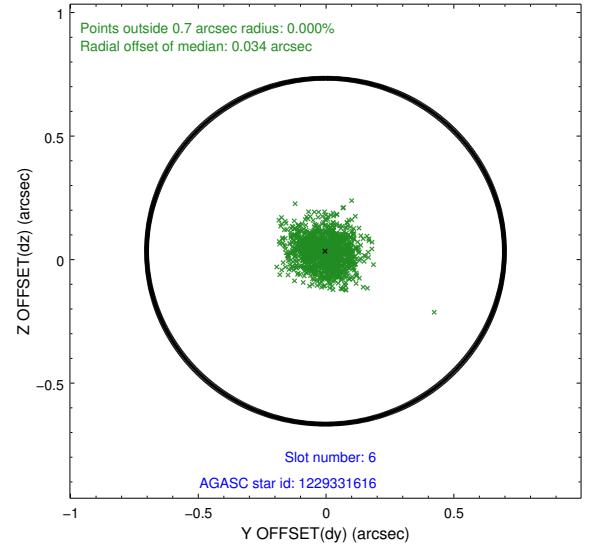
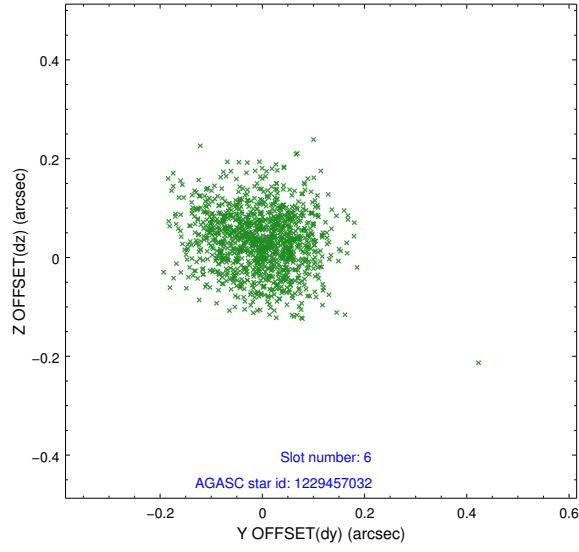
2.4.2 Slot 4



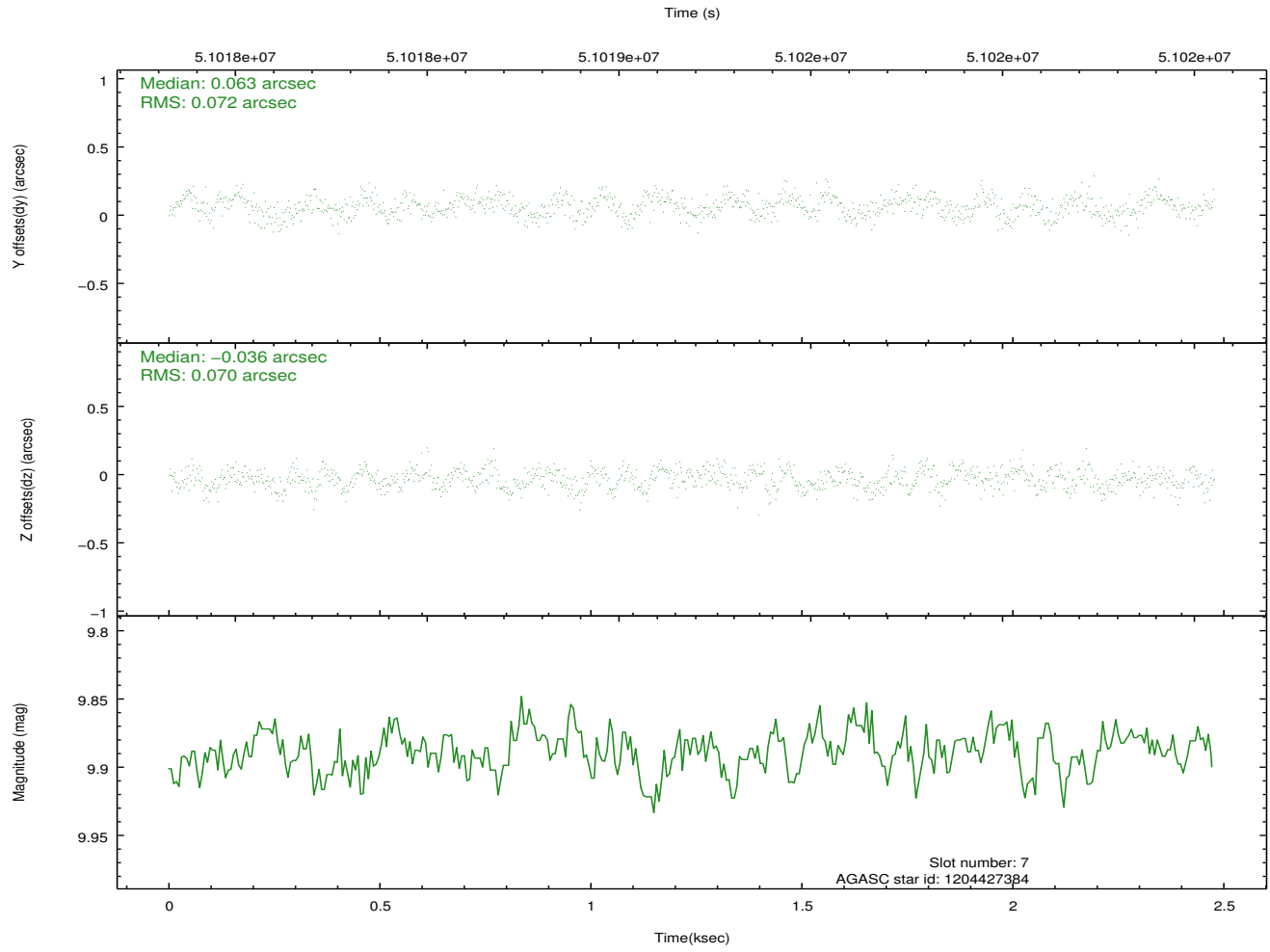
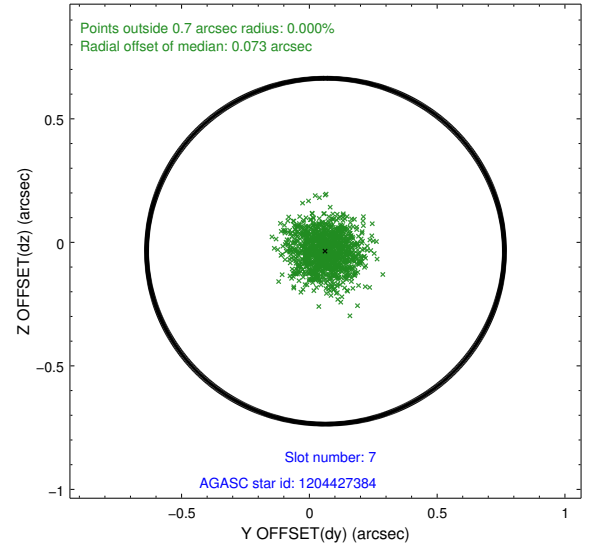
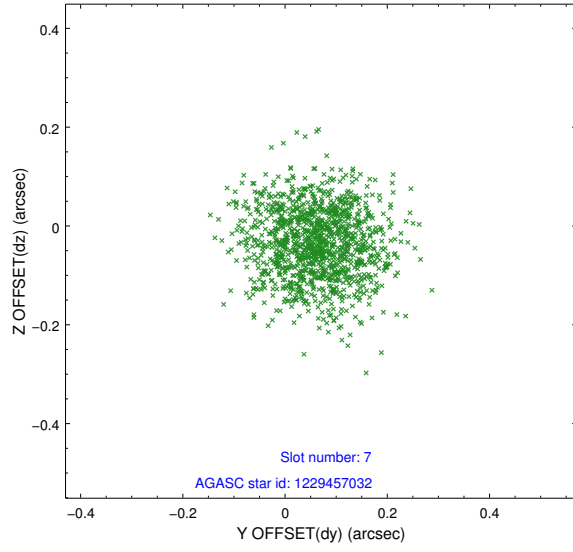
2.4.3 Slot 5



2.4.4 Slot 6

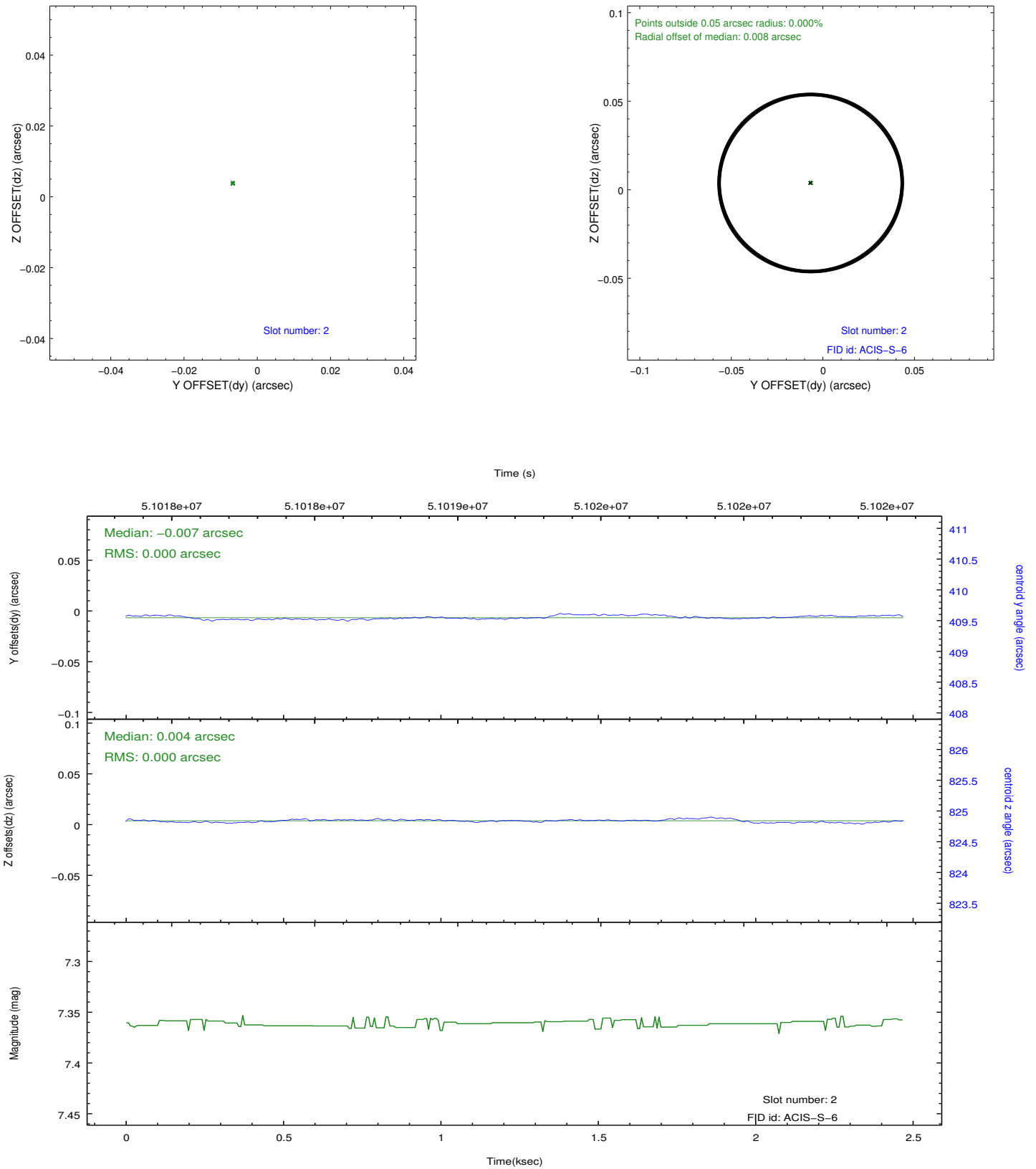


2.4.5 Slot 7

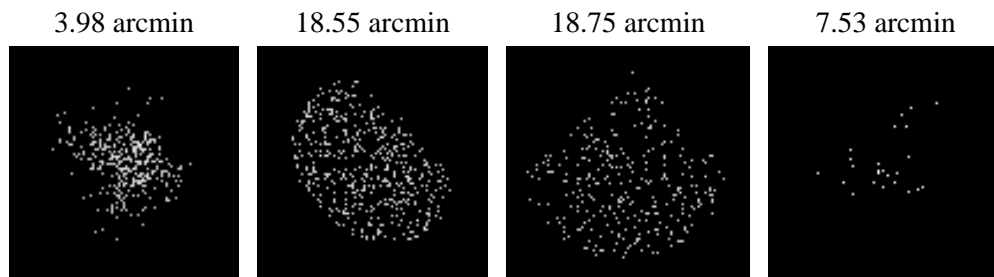


2.5 FID Slots

2.5.1 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.07.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.036

A.2 Comments

Due to operational problems that were later corrected, only 1 of 3 fid lights was acquired for this observation.

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The focal plane temperature is approximately -100 C during this observation. This reprocessing of the data applies no CTI correction because none is available for this temperature at present.

The ACIS CTI correction has not been calibrated at this temperature, because it was early in the mission, and ACIS had not yet been lowered to the standard -119.7 C. Both front and back illuminated chips are affected. However a T_GAIN correction has been applied to the BI chips (ACIS-5 and ACIS-7) data included here.

The ACIS spectral response calibration is less accurate at these warmer temperatures than it is at -119.7 C. Users whose science objectives depend on the most accurate spectral response (ie: fitting line-rich spectra) may notice an effect. Users whose science objectives do not depend on the most accurate spectral response should not notice an effect.