

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 15786 - L2 Version 2
Chandra X-Ray Center

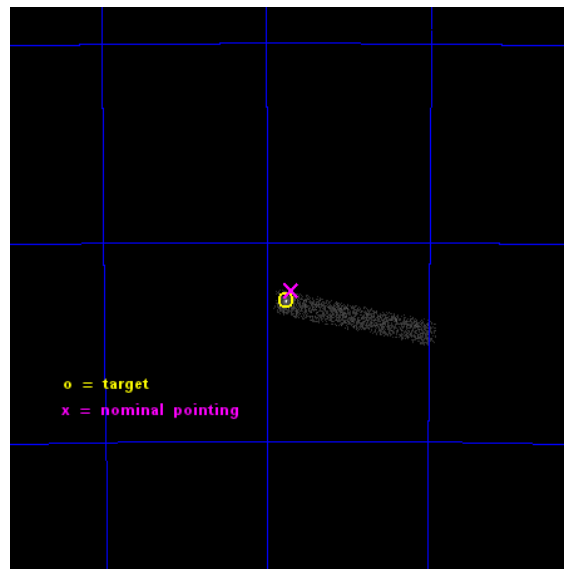
L2 Processing Date : Dec 12 2014

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1 Front

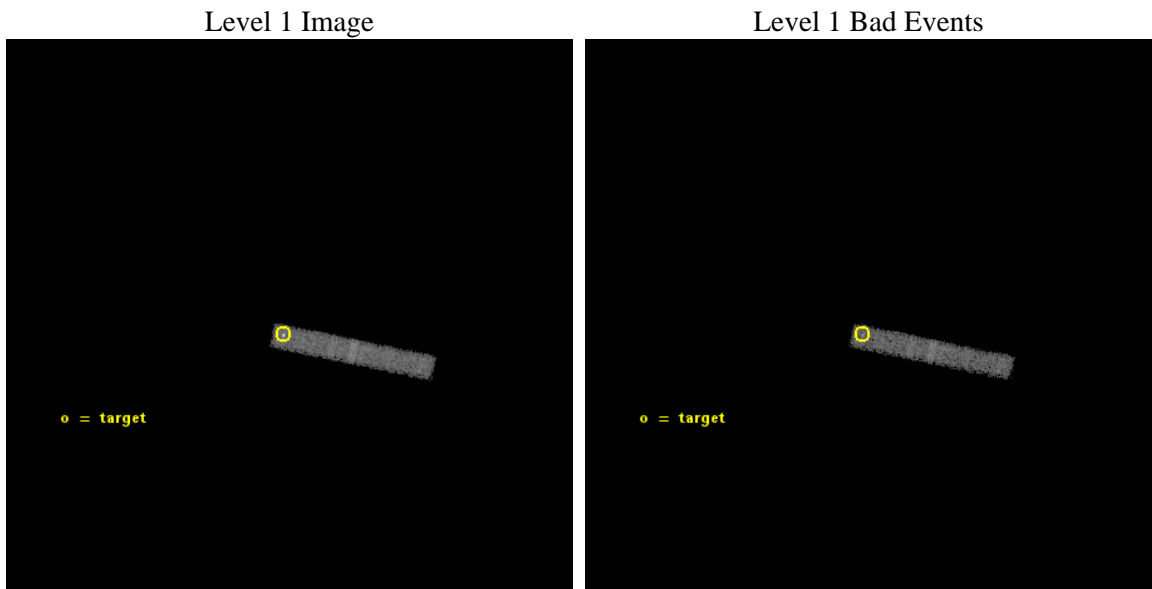
seq_num	401583	Sequence number
obs_id	15786	Observation id
title	Chandra's study of the slow pulsar SXP1062 associated with a young SNR in the SMC	Proposal title
observer	Dr. Lidia Oskinova	Principal investigator
object	SXP 1062	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	21.94125	Observer's specified target RA [deg]
dec_targ	-73.548972	Observer's specified target Dec [deg]
ra_nom	21.923393031095	Nominal RA [deg]
dec_nom	-73.540313923792	Nominal Dec [deg]
roll_nom	101.30036730314	Nominal Roll [deg]
revision	2	Processing version of data
ontime	29101.333157599	Sum of GTIs [s]
livetime	26893.883222681	Livetime [s]
ontime3	29101.333157599	Sum of GTIs [s]
l2events	6584	Number of level 2 events



2 OBI

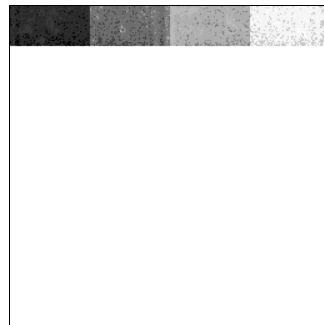
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 3



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	29000.000000	[s] Scheduled observation exposure time
ascdsver	10.3.1	Processing system revision	ontime	29101.333157599	Sum of GTIs [s]
caldbver	4.6.4	 	ontime3	29101.333157599	Sum of GTIs [s]
date	2014-12-12T20:28:20	Date and time of file creation	l1events	27180	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

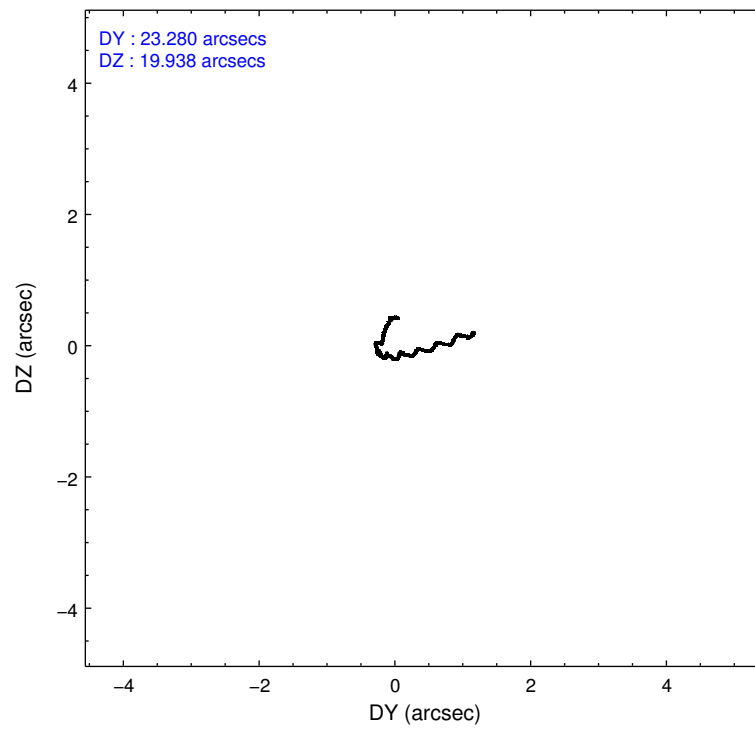
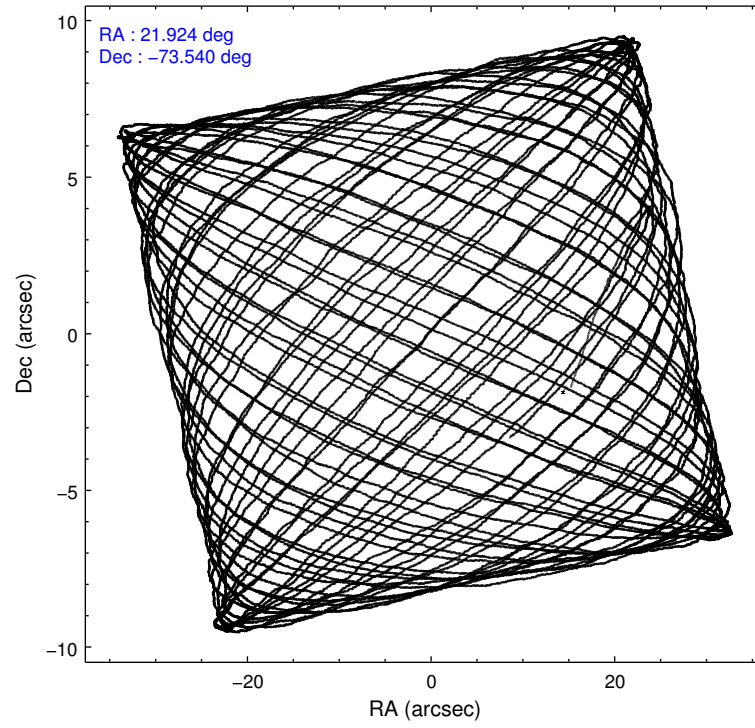
	ccd 3
level 1 events	27180
rejected events	20131
rejected %	74%

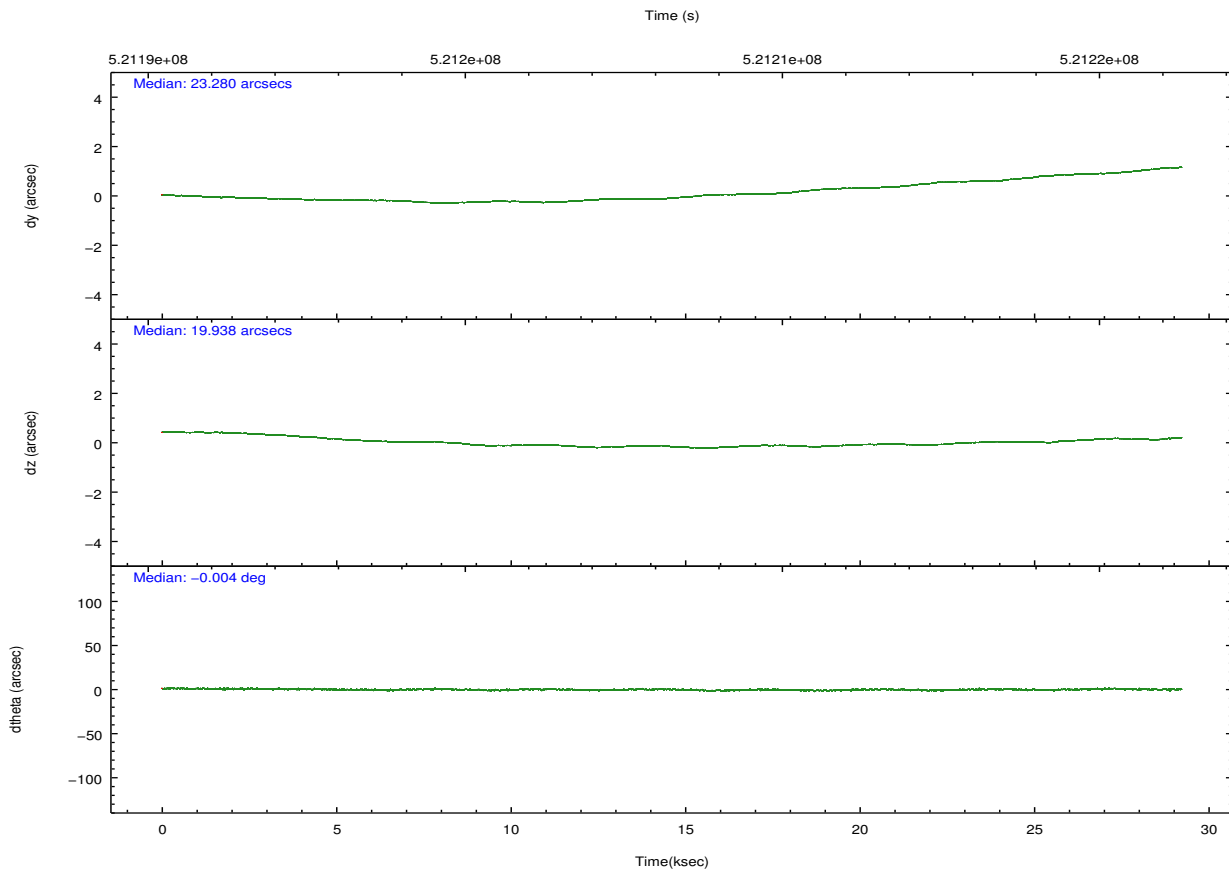
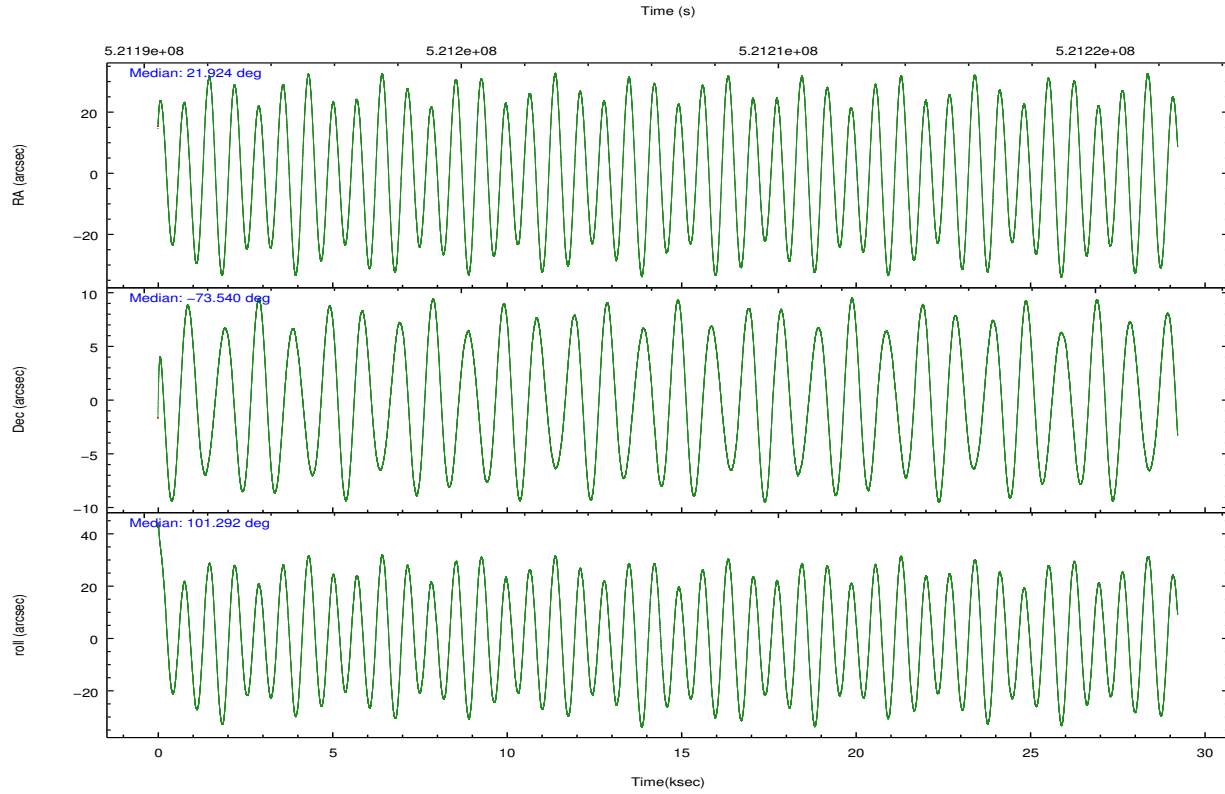
	ccd 3
grade 0 events	3804
	13%
grade 1 events	46
	0%
grade 2 events	986
	3%
grade 3 events	750
	2%
grade 4 events	672
	2%
grade 5 events	1044
	3%
grade 6 events	837
	3%
grade 7 events	19041
	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3	ACIS-3	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	21.988001	21.92339303109468	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-73.560962	-73.54031392379238	Subarray start row	897	897
[deg] Pointing Roll	101.153640	101.3003673031443	Subarray row count	128	128
[mm] SIM focus pos	-0.782348	-0.7809083437167272	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001439871863259334	[s] Primary exposure time	0.000000	0.5
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	521192120.184000	521191021.92868			
Observation start date	2014-07-08T07:34:13	2014-07-08T07:17:01			
[s] Observation end time (MET)	521221120.184000	521221735.03038			
Observation end date	2014-07-08T15:37:33	2014-07-08T15:48:55			
Read mode	TIMED	TIMED			

2.3 Aspect





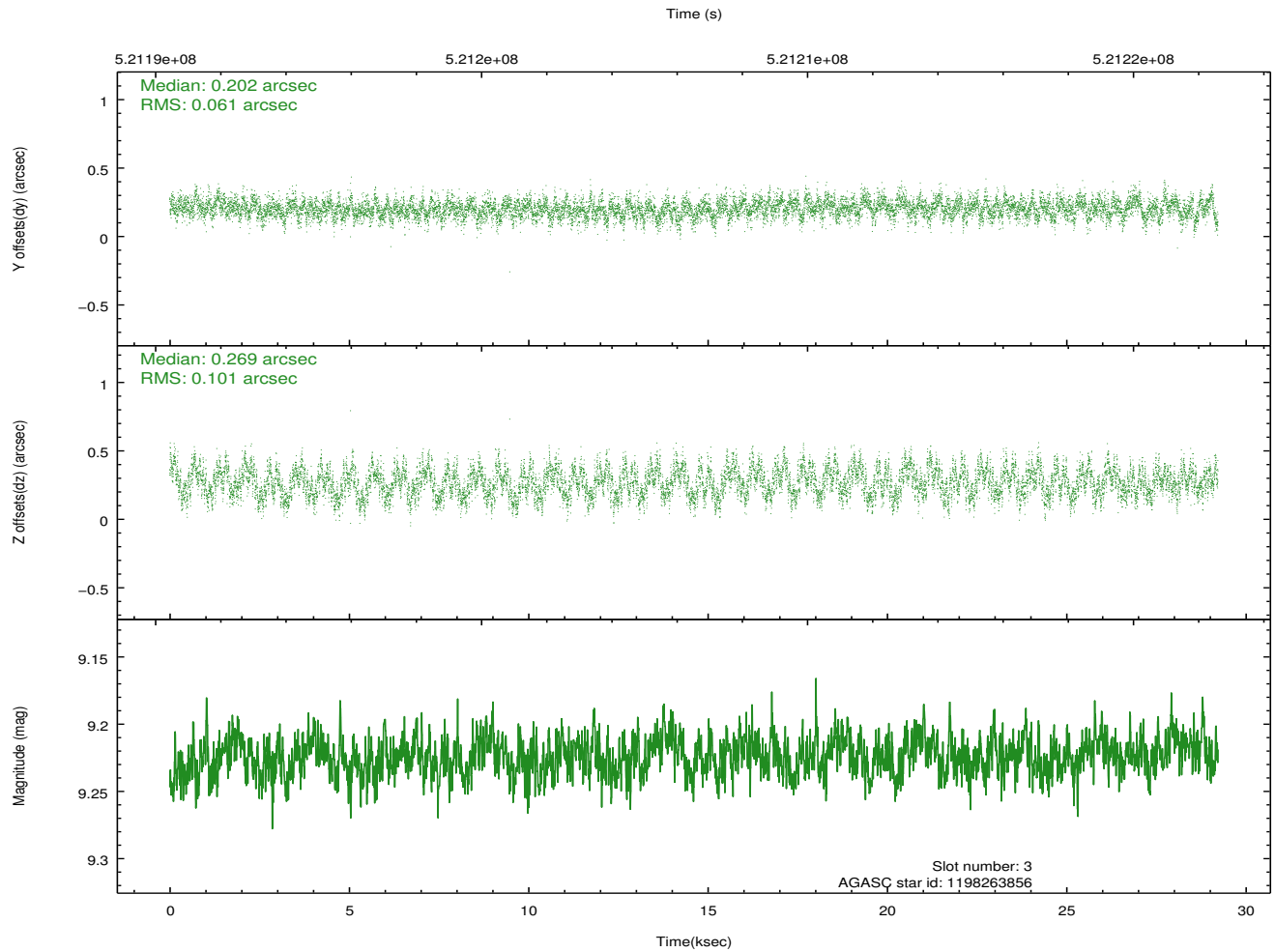
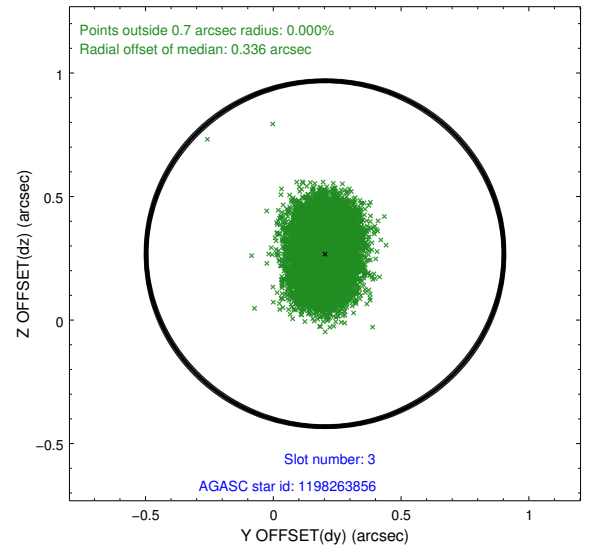
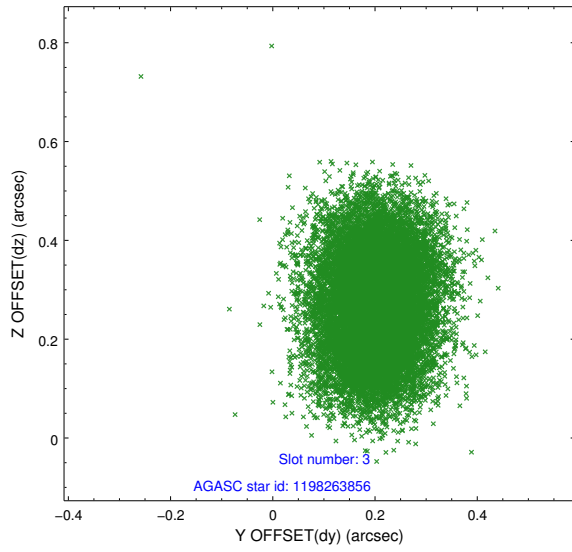
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.02	7129	0.036	0.010	0.014	0.025	0.000000	0.000000	915.85	-843.64
1	FID		ACIS-I-5	7.00	7128	-0.280	0.026	0.007	0.013	0.000000	0.000000	-1832.61	1053.71
2	FID		ACIS-I-6	7.01	7128	0.152	0.035	0.011	0.018	0.000000	0.000000	381.31	1698.40
3	GUIDE	used	1198263856	9.22	14241	0.202	0.269	0.126	0.202	23.344483	-73.858921	-1329.37	-1121.19
4	GUIDE	used	1198264032	7.99	14257	0.037	0.086	0.083	0.129	22.563131	-73.173817	1248.74	-856.09
5	GUIDE	used	1198268712	8.51	14249	0.036	0.169	0.101	0.165	21.961983	-73.269598	1034.87	-176.66
6	GUIDE	used	1198269920	8.26	14248	-0.118	-0.269	0.118	0.170	20.316466	-73.033728	2177.96	1359.96
7	GUIDE	used	1198272400	9.13	14240	-0.153	-0.261	0.142	0.219	20.411923	-73.620598	78.30	1615.17

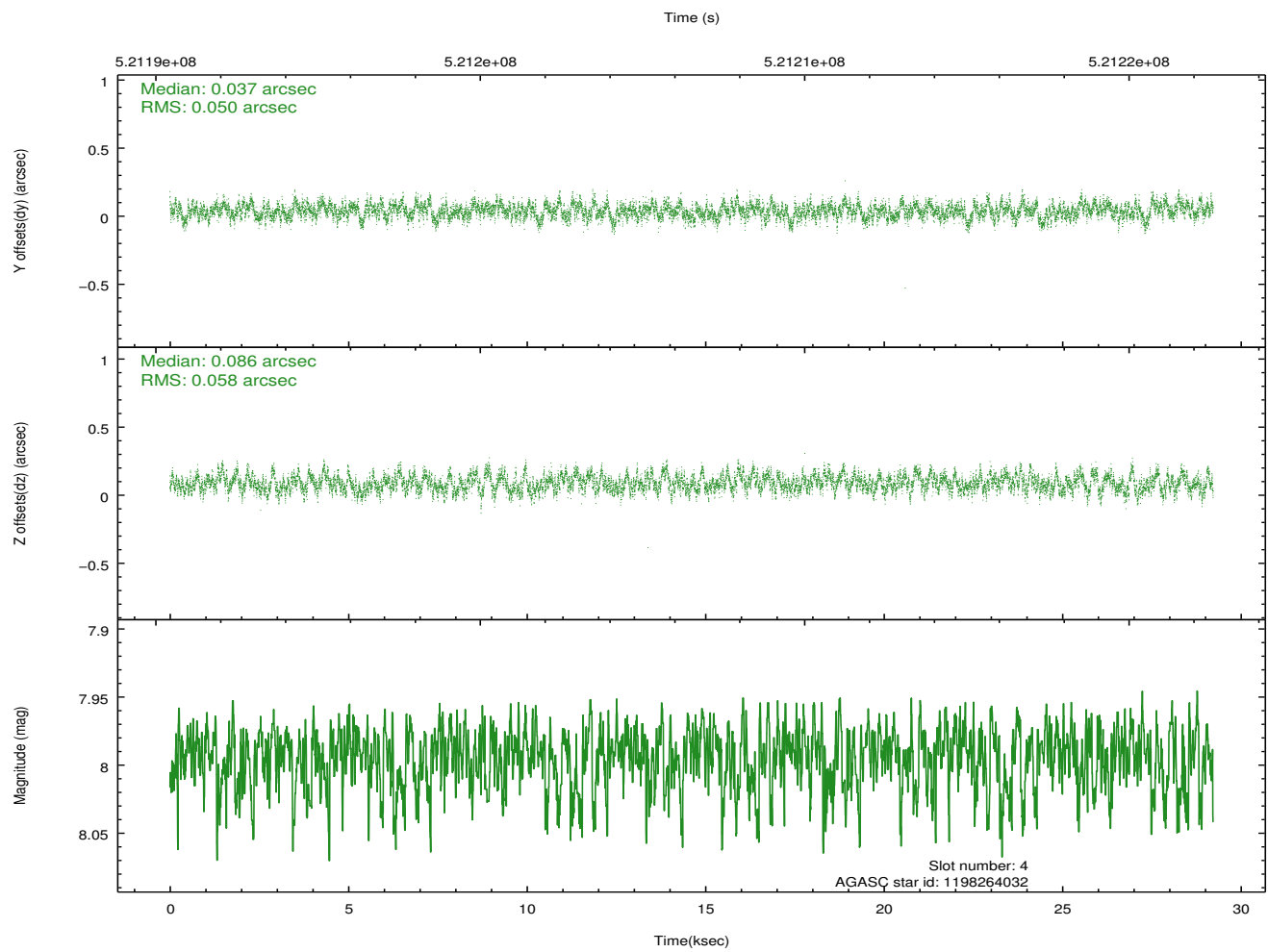
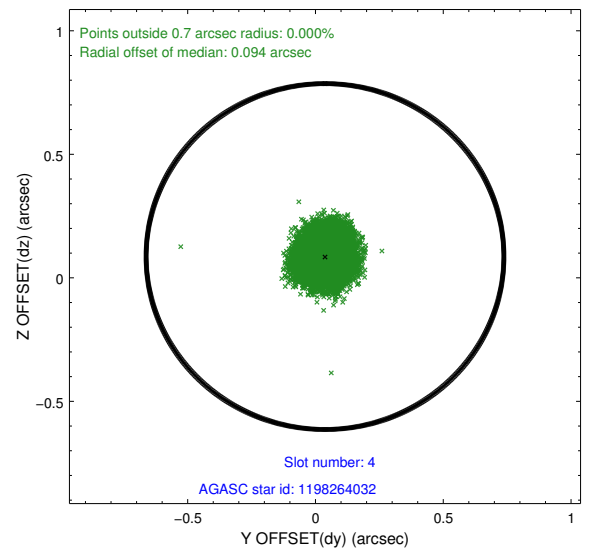
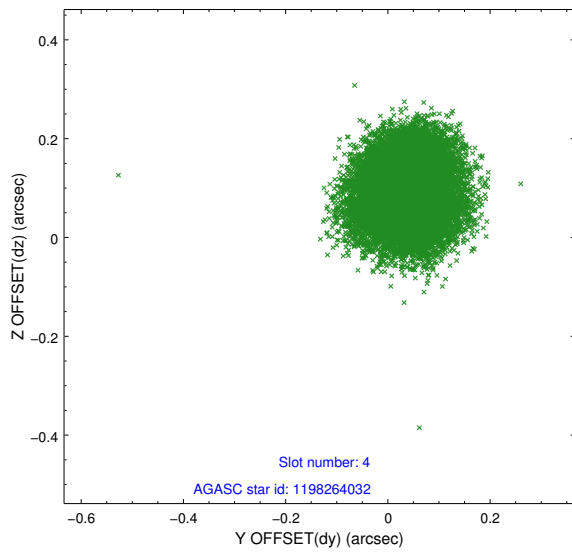
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2.4 Star Slots

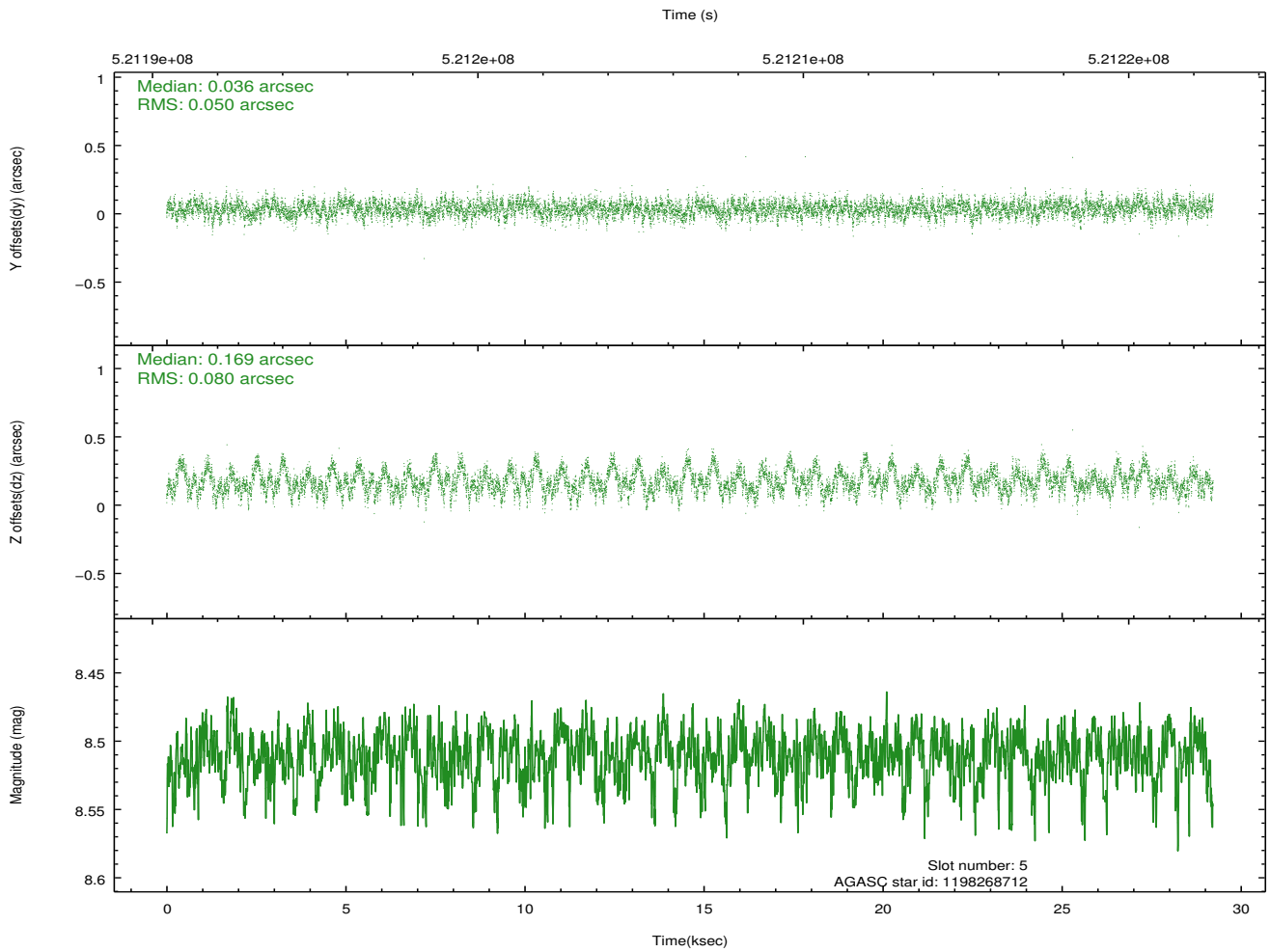
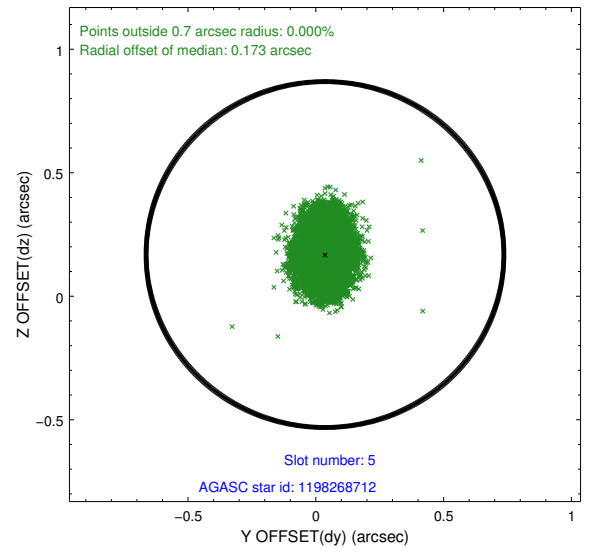
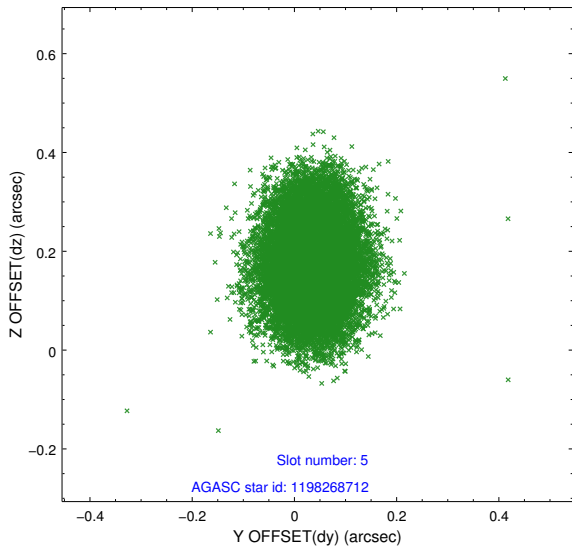
2.4.1 Slot 3



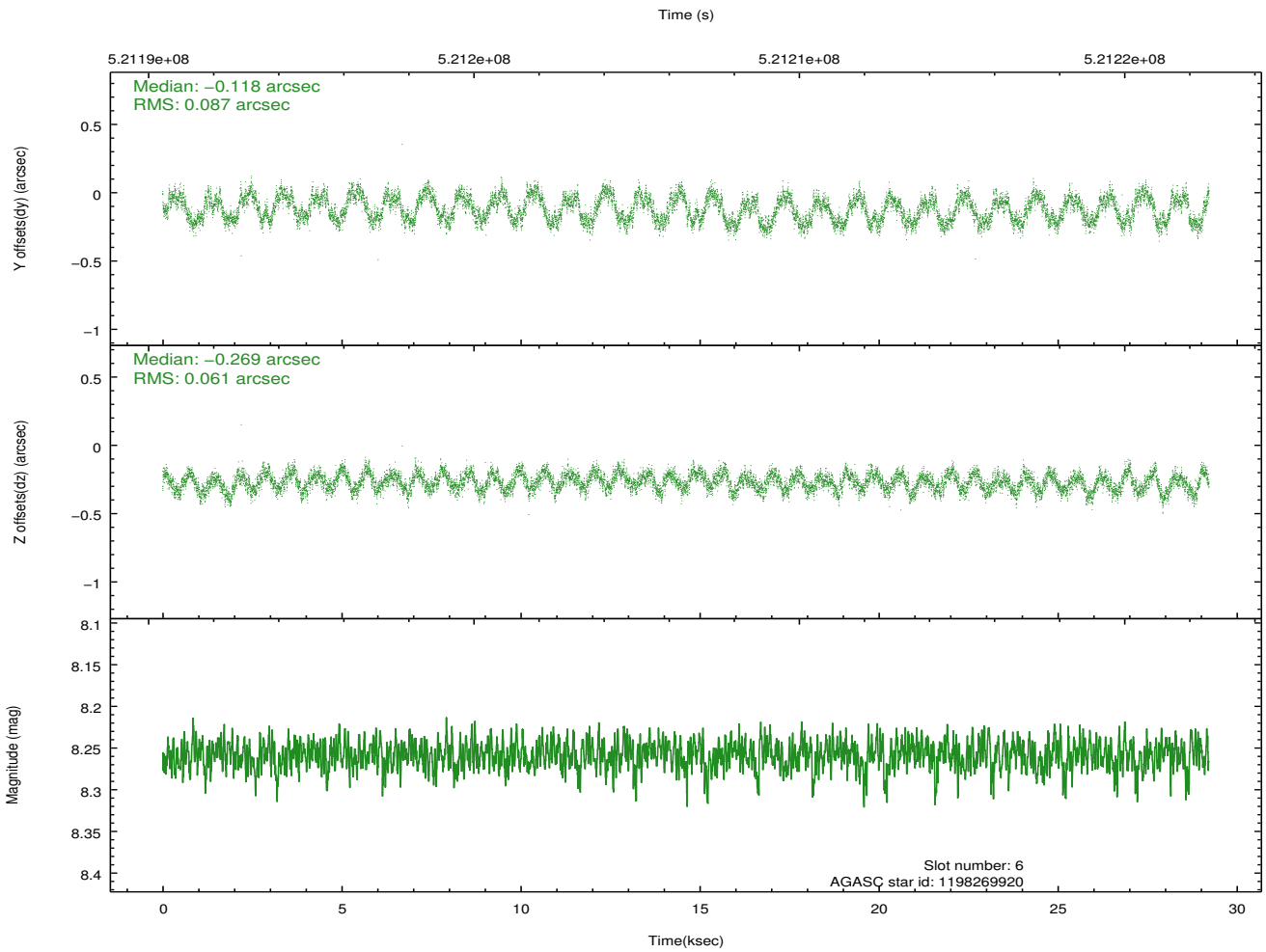
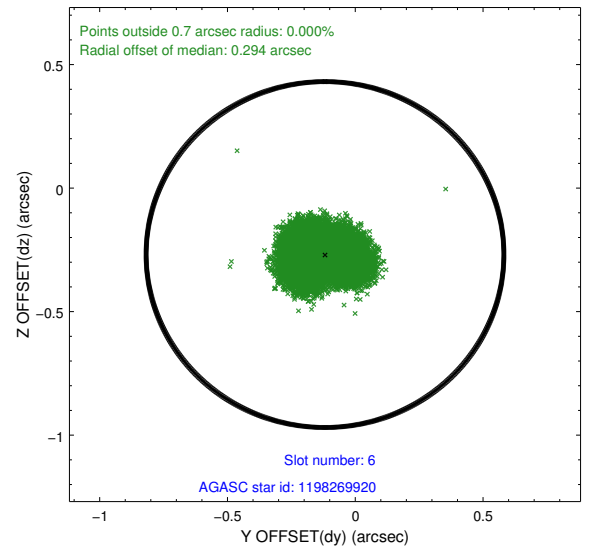
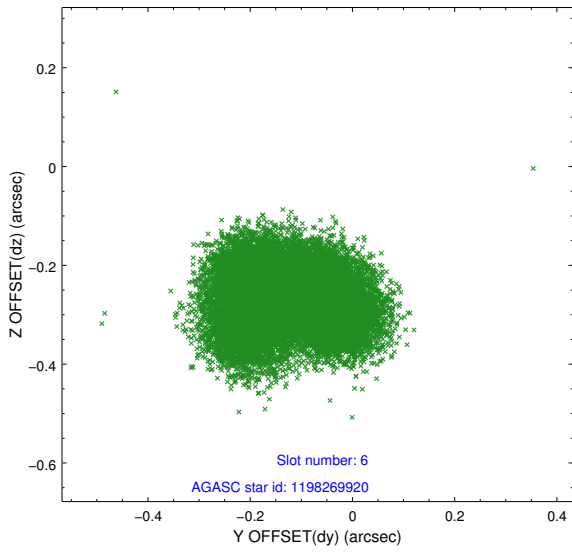
2.4.2 Slot 4



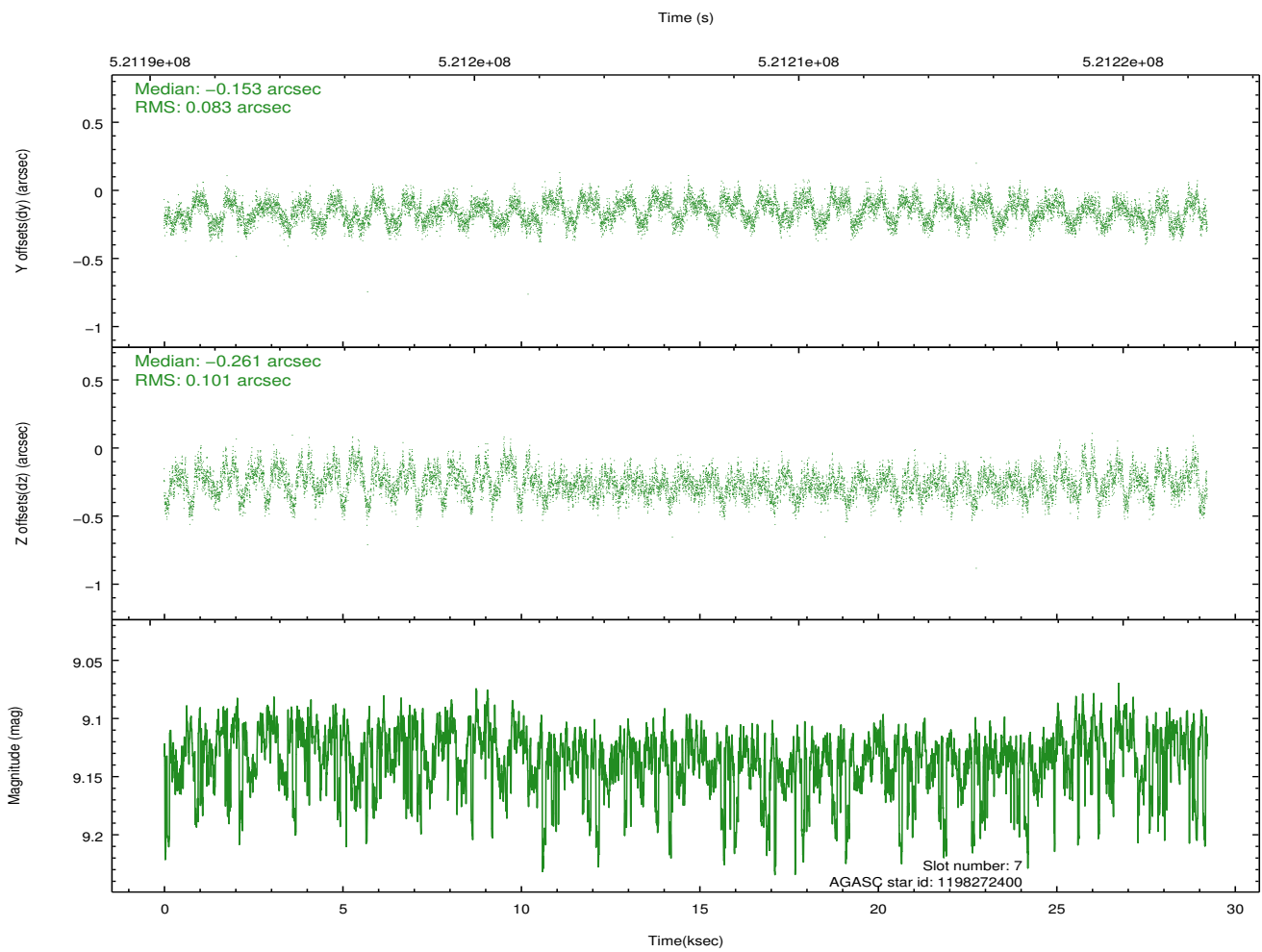
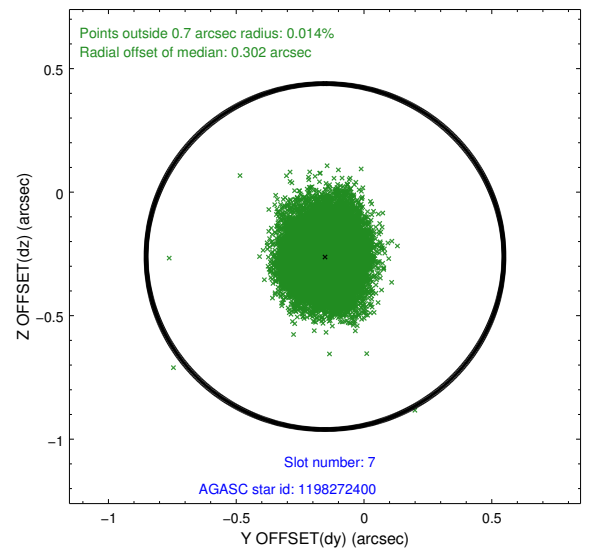
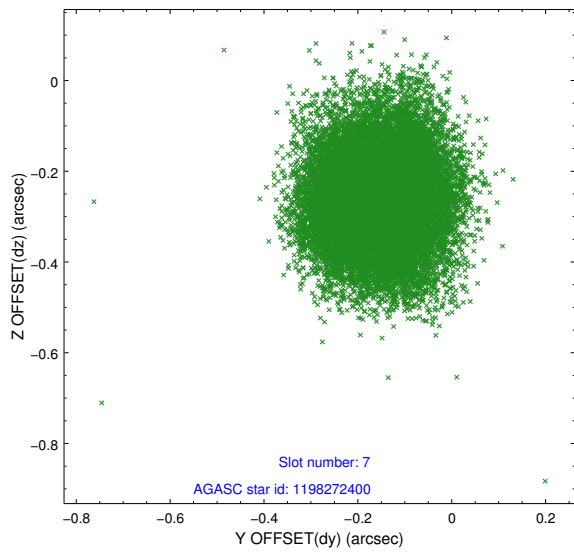
2.4.3 Slot 5



2.4.4 Slot 6

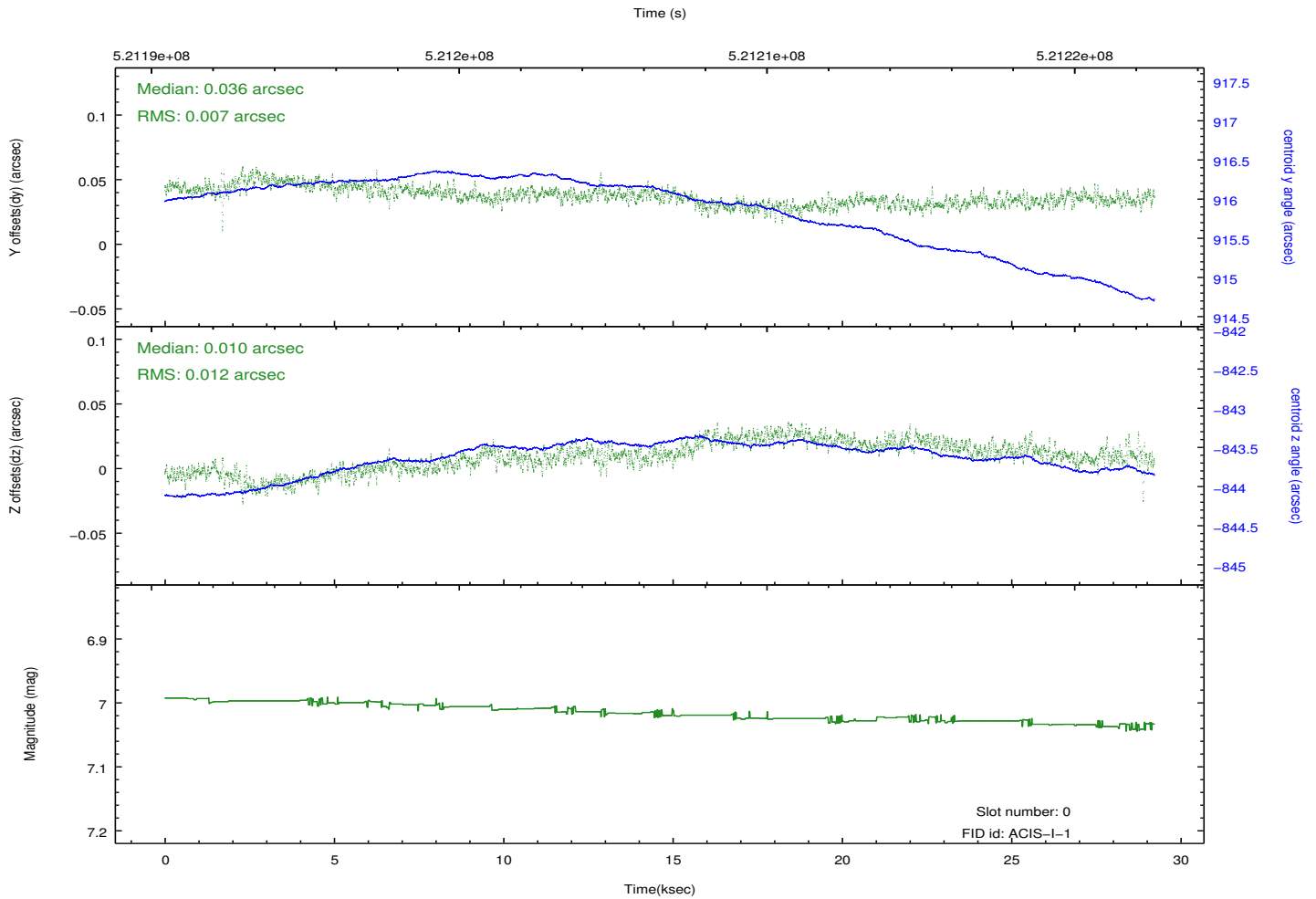
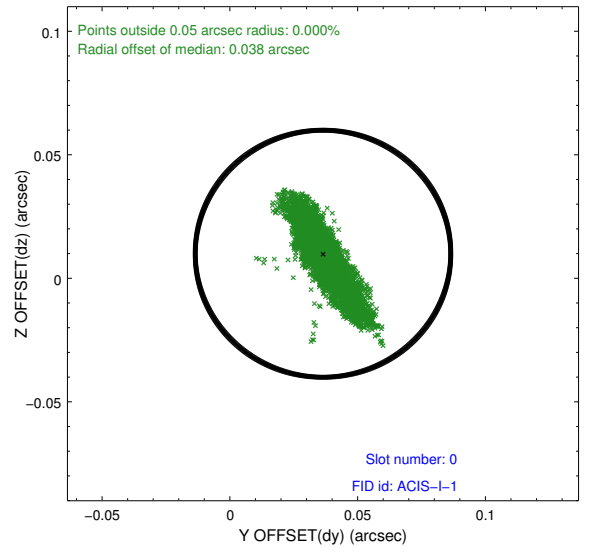
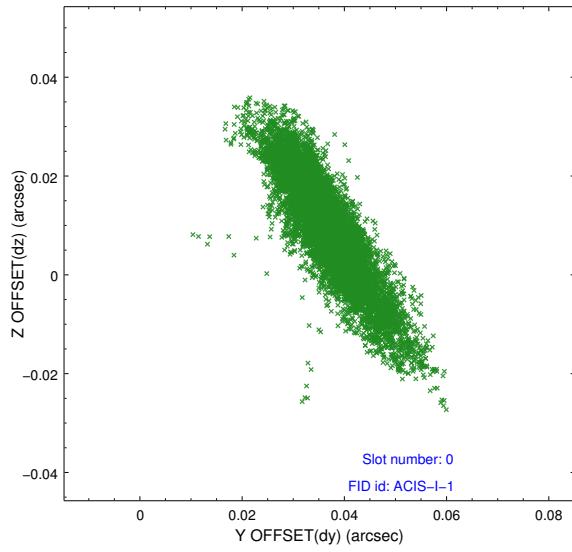


2.4.5 Slot 7

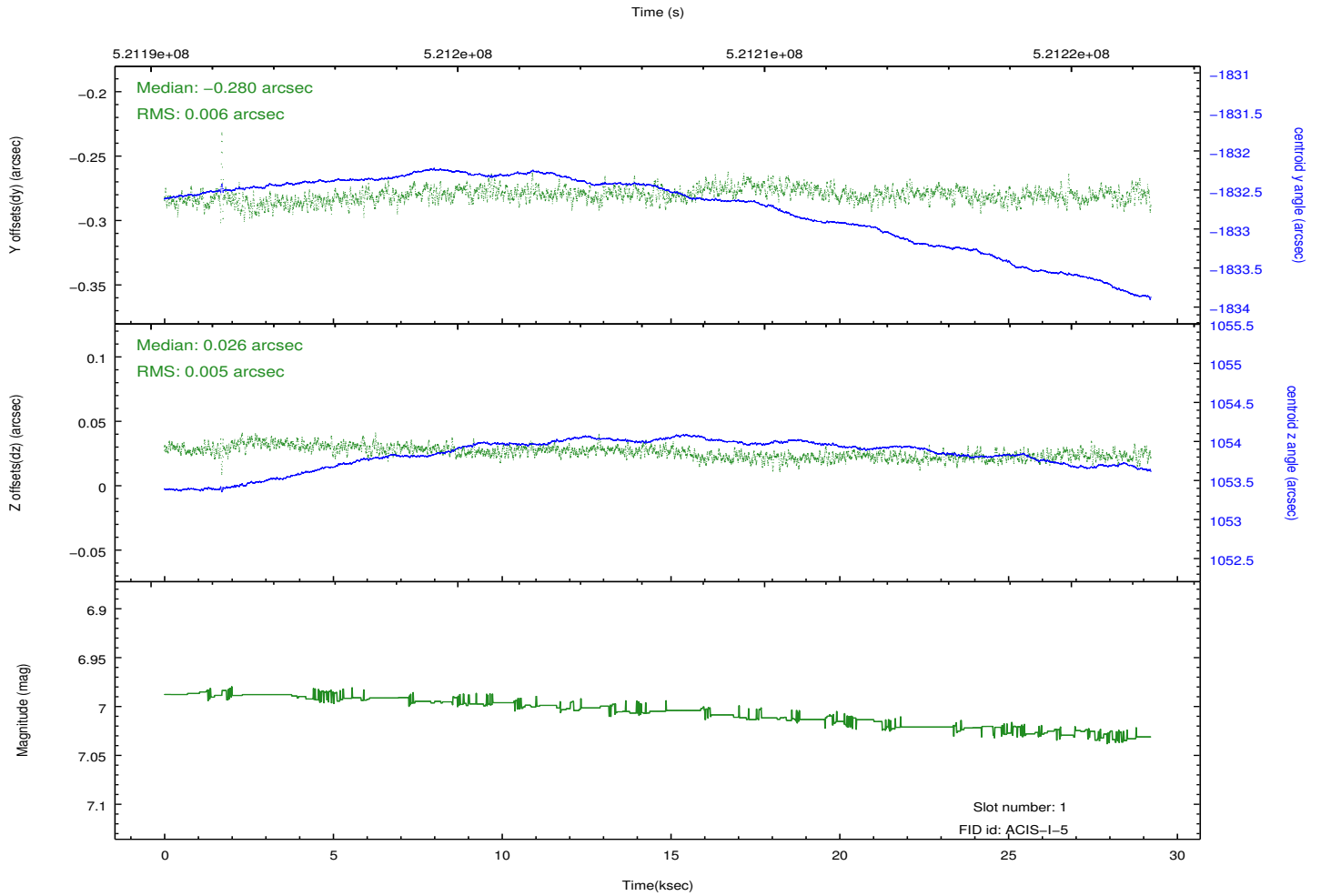
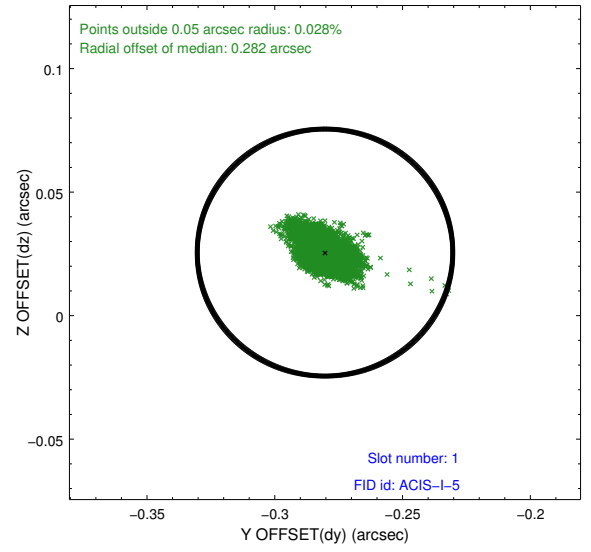
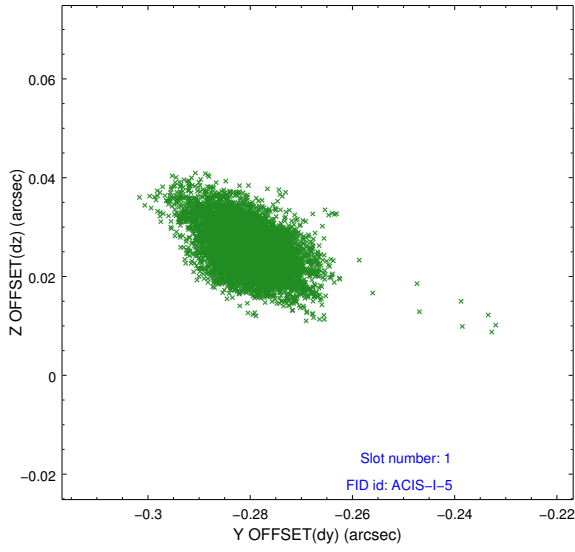


2.5 FID Slots

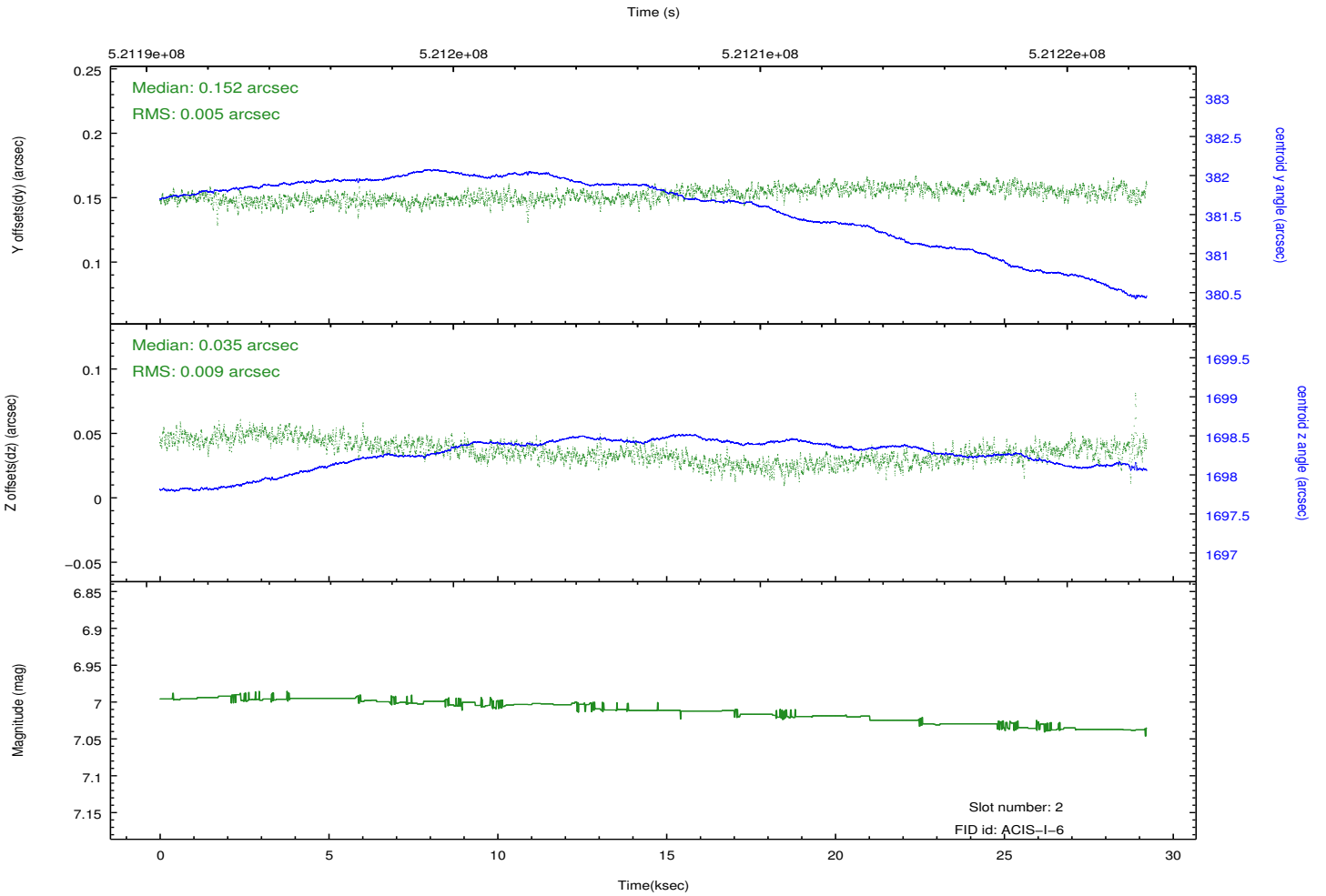
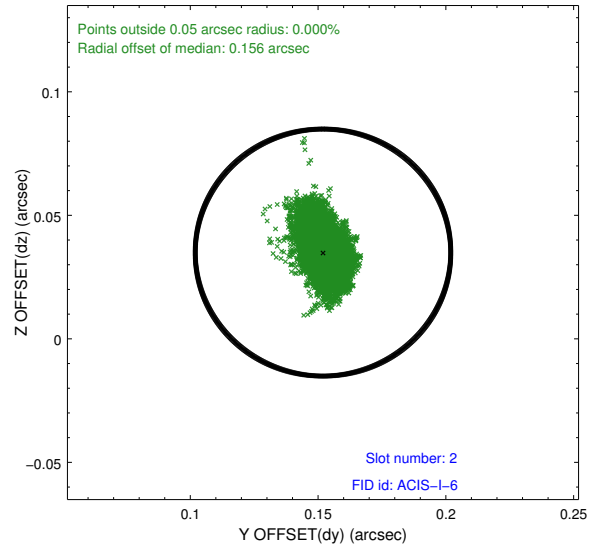
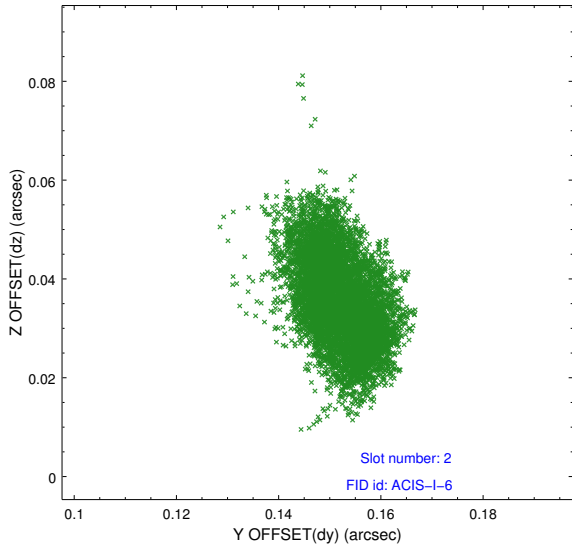
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.12.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.101333157599

A.2 Comments

These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.