

V&V Reference Report

L2 ASCDS Version : 10.2.2

Observation 16624 - L2 Version 2
Chandra X-Ray Center

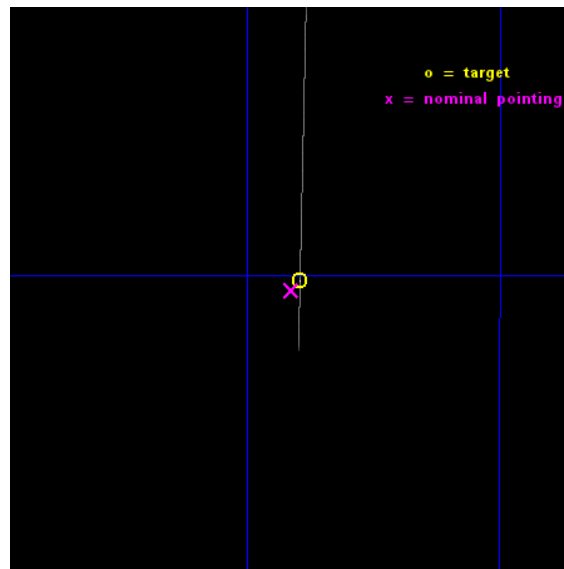
L2 Processing Date : Dec 11 2014

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1 Front

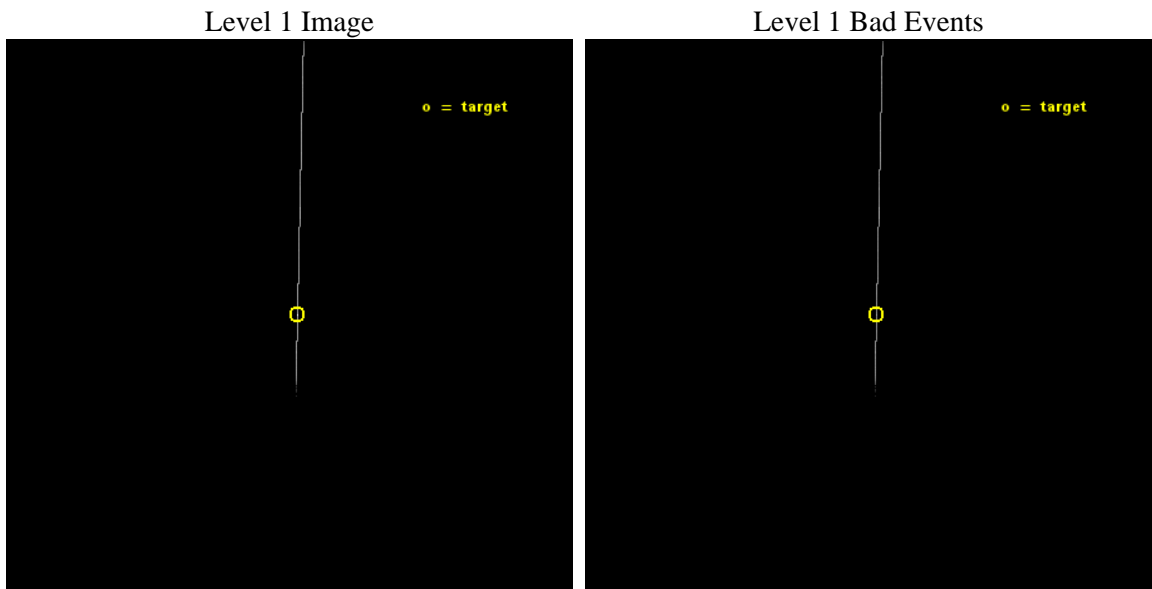
seq_num	401614	Sequence number
obs_id	16624	Observation id
title	Chandra/H.E.S.S. follow-up of PSR B1259-63 gamma-ray flare	Proposa
observer	Dr. Pol Bordas	Principal investigator
object	PSR B1259-63	Source name
ra_targ	195.698333	Observer's specified target RA [deg]
dec_targ	-63.835694	Observer's specified target Dec [deg]
ra_nom	195.70633019963	Nominal RA [deg]
dec_nom	-63.839737756796	Nominal Dec [deg]
roll_nom	271.28263452008	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5174.75	Sum of GTIs [s]
livetime	5154.5361328125	Livetime [s]
ontime7	5174.75	Sum of GTIs [s]
l2events	21307	Number of level 2 events



2 OBI

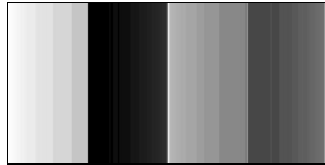
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.3.1	Processing system revision	ontime	5174.75	Sum of GTIs [s]
caldbver	4.6.4	 	ontime7	5174.75	Sum of GTIs [s]
date	2014-12-12T01:35:54	Date and time of file creation	l1events	55048	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

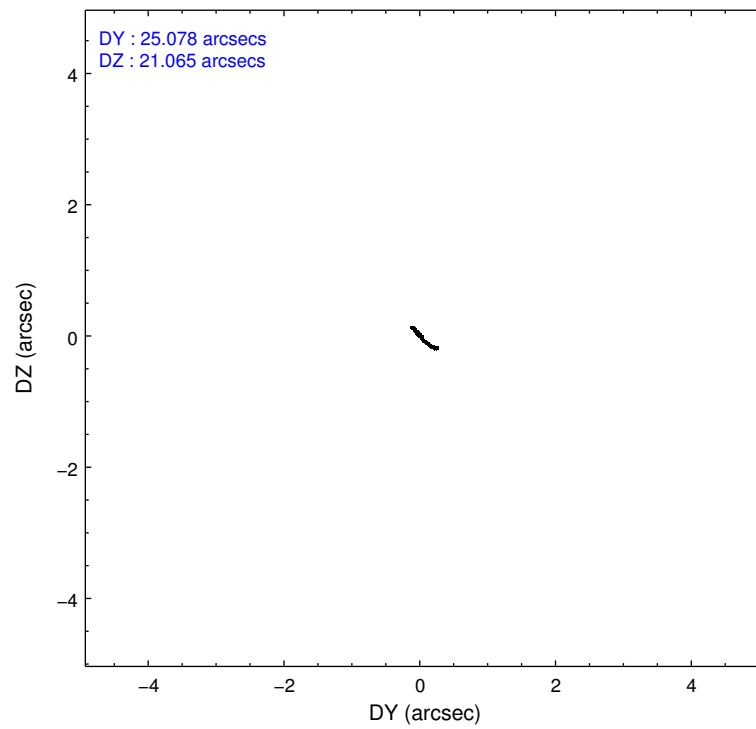
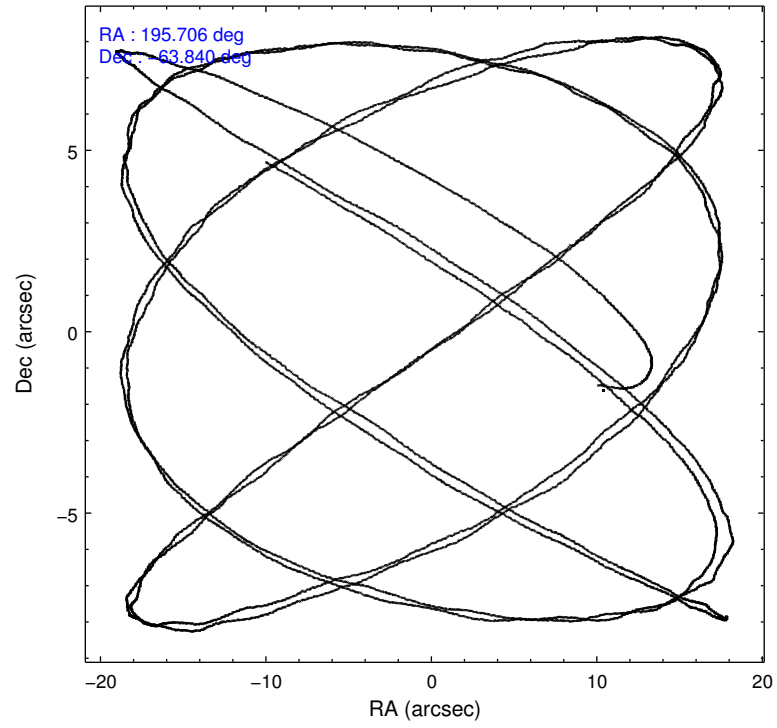
	ccd 7
level 1 events	55048
rejected events	33070
rejected %	60%

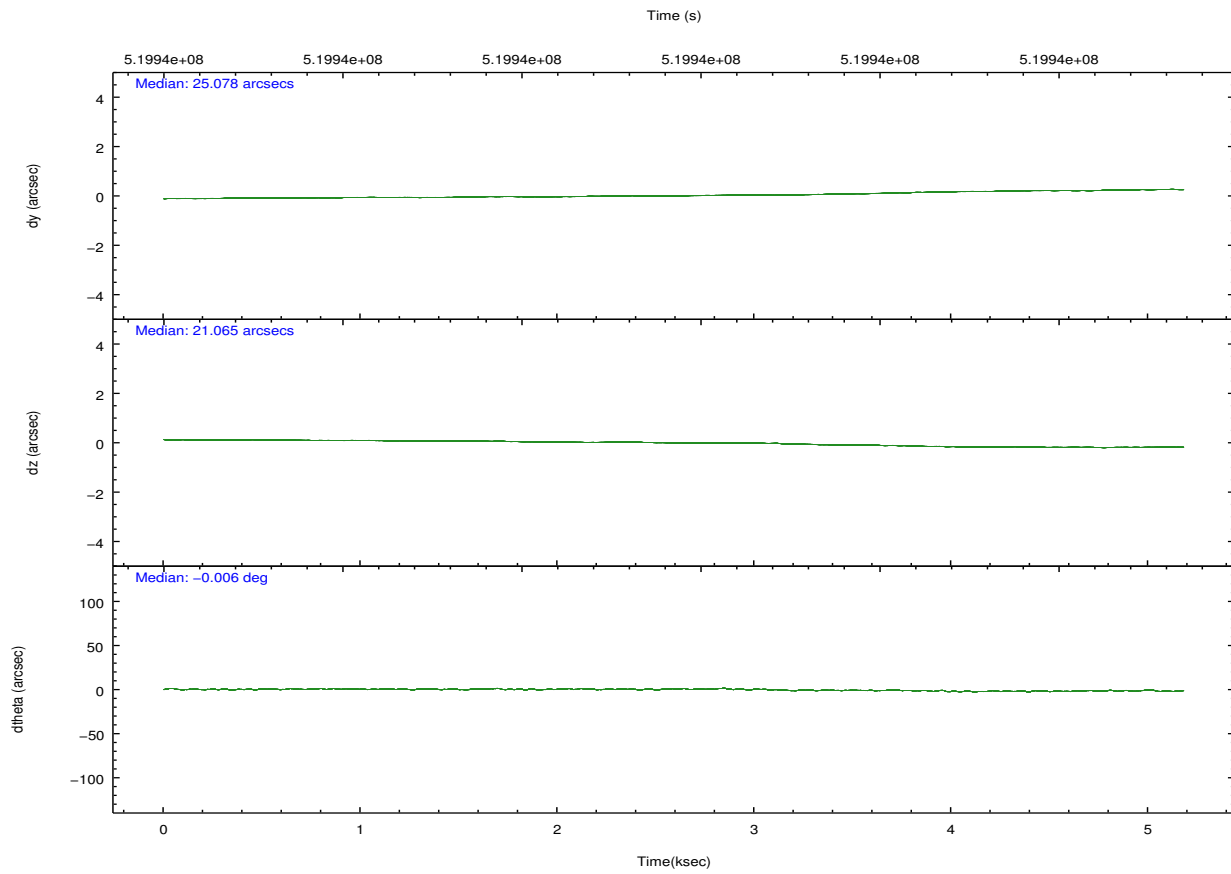
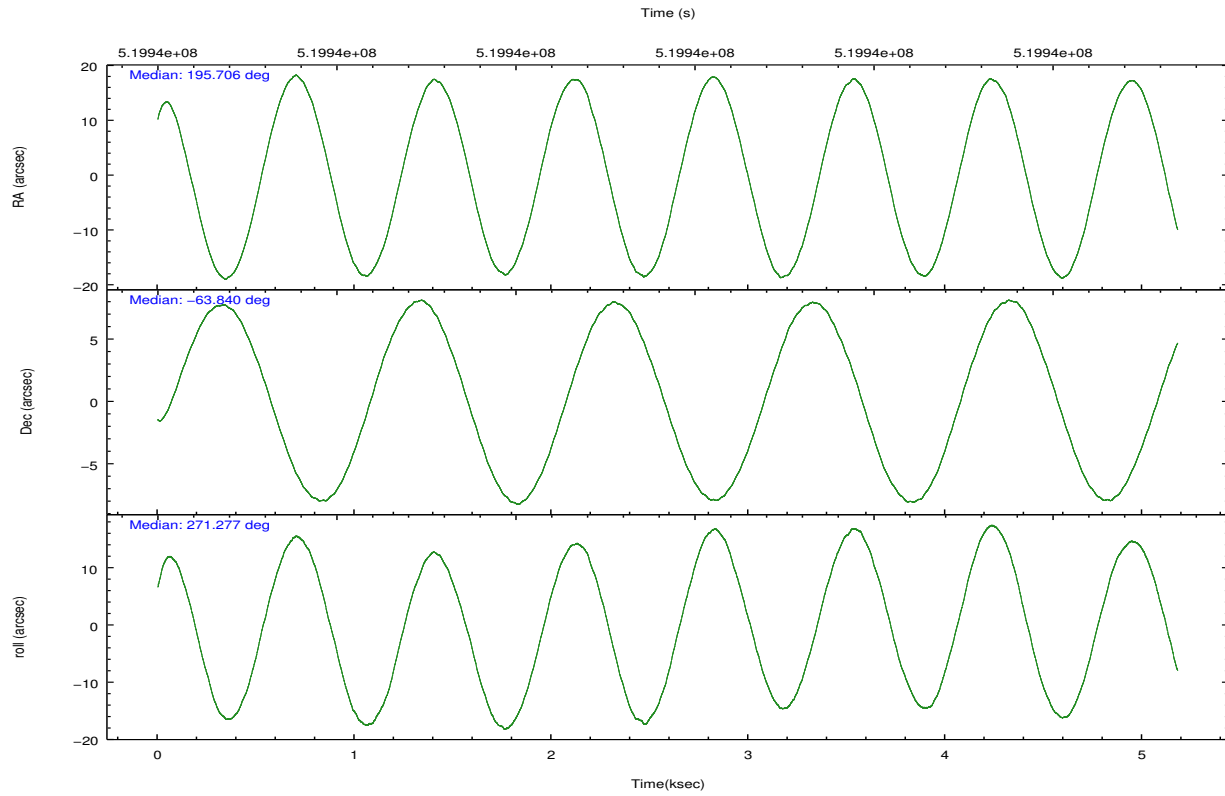
	ccd 7
grade 0 events	2598
	4%
grade 1 events	50
	0%
grade 2 events	6177
	11%
grade 3 events	1528
	2%
grade 4 events	1491
	2%
grade 5 events	3279
	5%
grade 6 events	10448
	18%
grade 7 events	29477
	53%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	195.673305	195.7063301996286	Subarray requested	NONE	NONE
[deg] Pointing Dec	-63.816568	-63.83973775679559	Alternating exposures requested	N	N
[deg] Pointing Roll	271.096373	271.2826345200815	[s] Primary exposure time	0.000000	0
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	519936439.184000	519935193.39668			
Observation start date	2014-06-23T18:46:12	2014-06-23T18:26:33			
[s] Observation end time (MET)	519941439.184000	519941788.75955			
Observation end date	2014-06-23T20:09:32	2014-06-23T20:16:28			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect





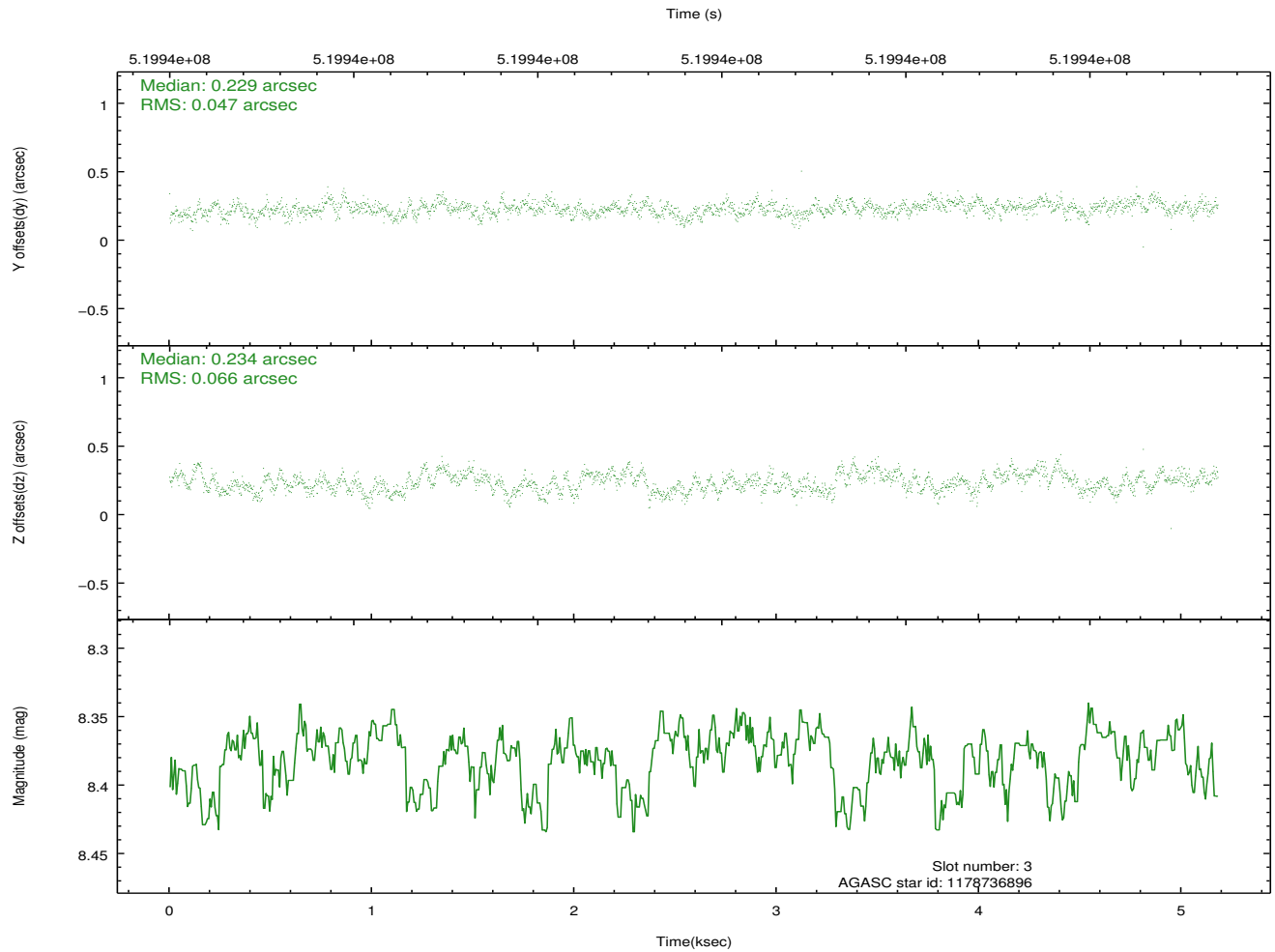
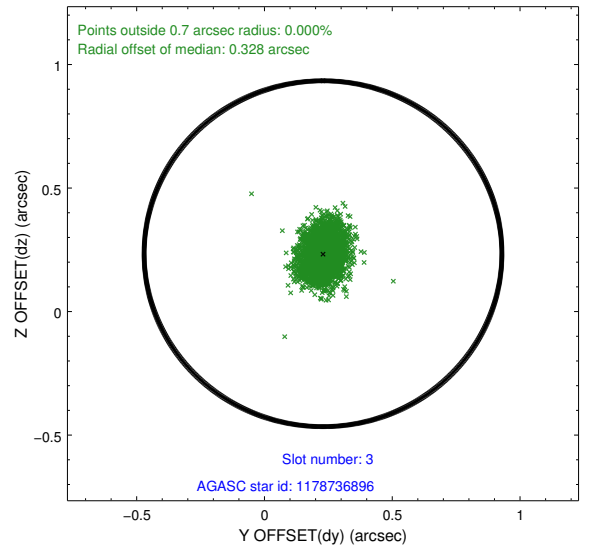
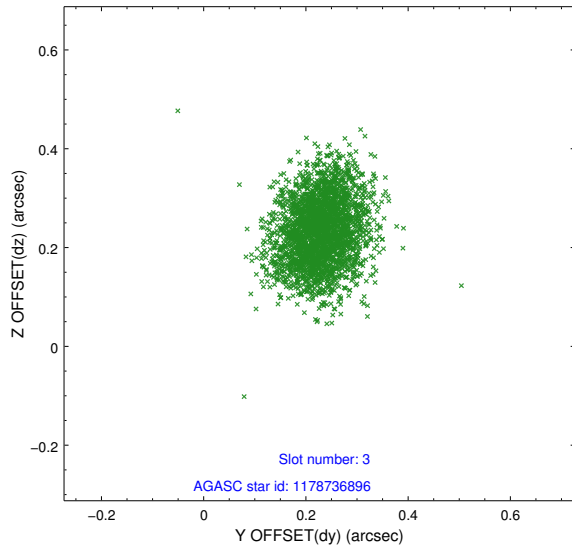
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.05	1264	0.073	-0.085	0.014	0.023	0.000000	0.000000	917.76	-1738.29
1	FID		ACIS-S-5	7.10	1264	-0.212	0.013	0.011	0.017	0.000000	0.000000	-1830.89	158.13
2	FID		ACIS-S-6	7.20	1264	0.119	0.082	0.008	0.012	0.000000	0.000000	382.06	803.50
3	GUIDE	used	1178736896	8.38	2528	0.229	0.234	0.086	0.136	194.755483	-63.640622	-650.11	-1454.59
4	GUIDE	used	1179266488	7.14	2528	-0.164	-0.171	0.074	0.115	196.258505	-64.441584	2271.29	864.64
5	GUIDE	used	1179266536	6.26	2528	-0.159	-0.268	0.060	0.092	195.962698	-64.099870	1030.48	435.69
6	GUIDE	used	1178734856	8.22	2526	0.051	0.053	0.089	0.137	195.759625	-63.178913	-2291.58	184.17
7	GUIDE	used	1179257016	7.24	2527	0.053	0.150	0.083	0.144	194.140559	-64.360891	1942.19	-2424.75

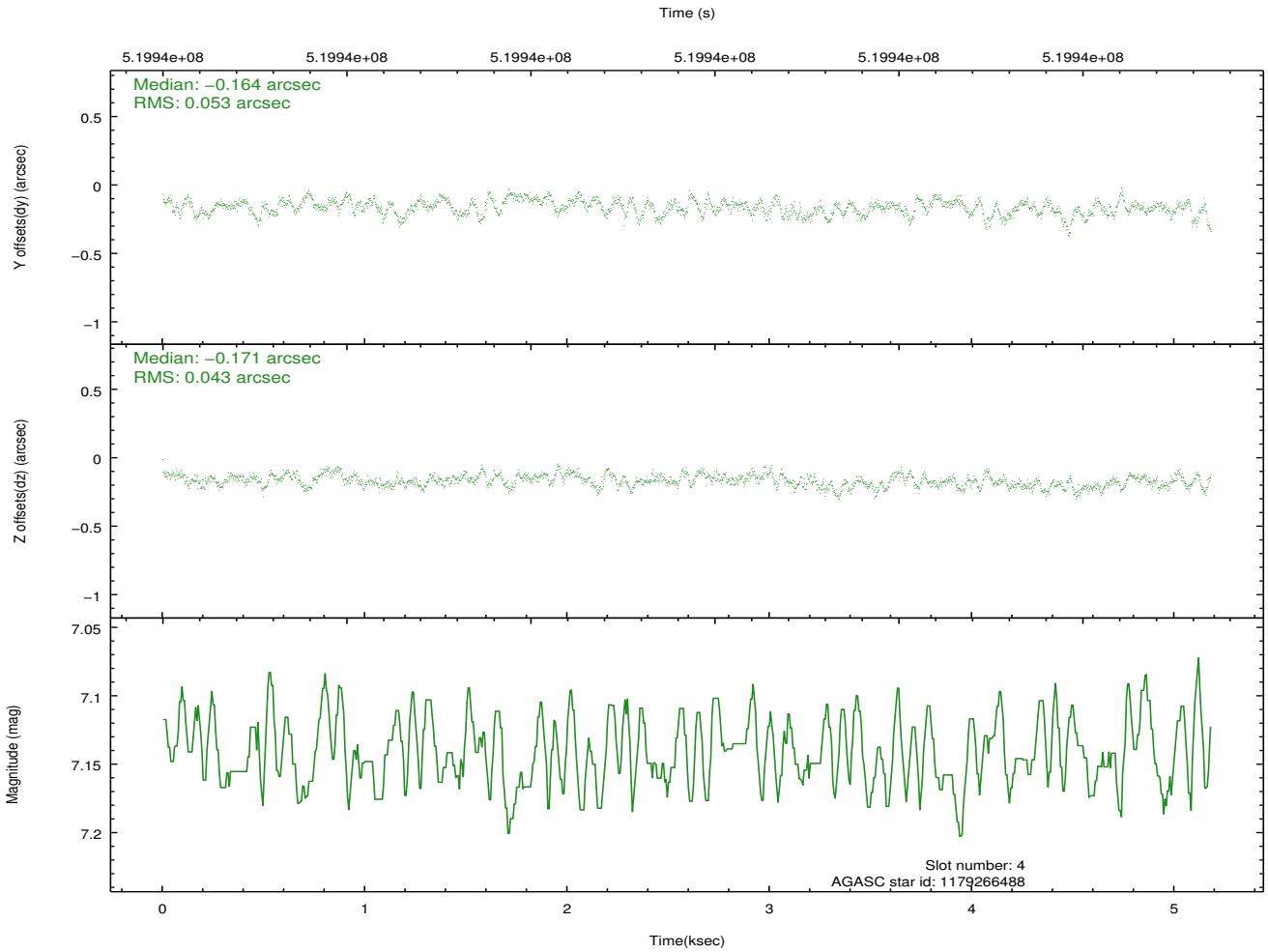
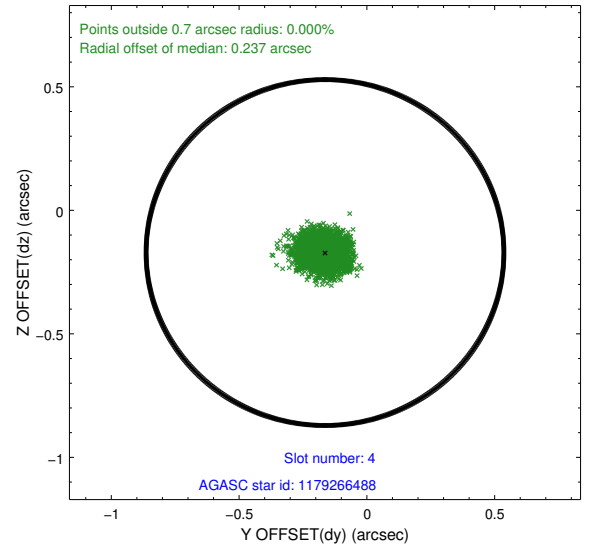
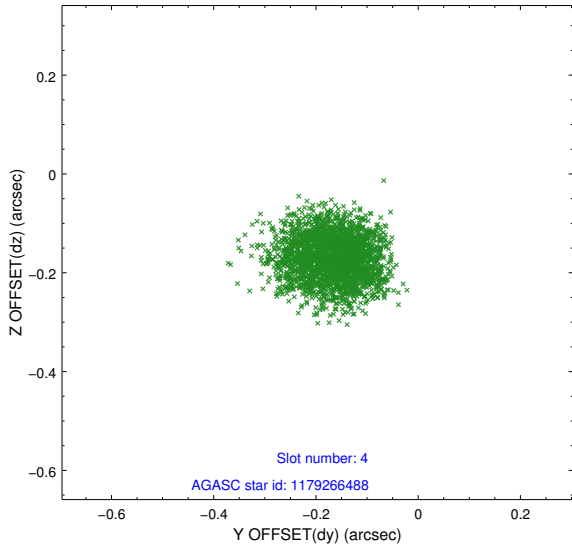
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2.4 Star Slots

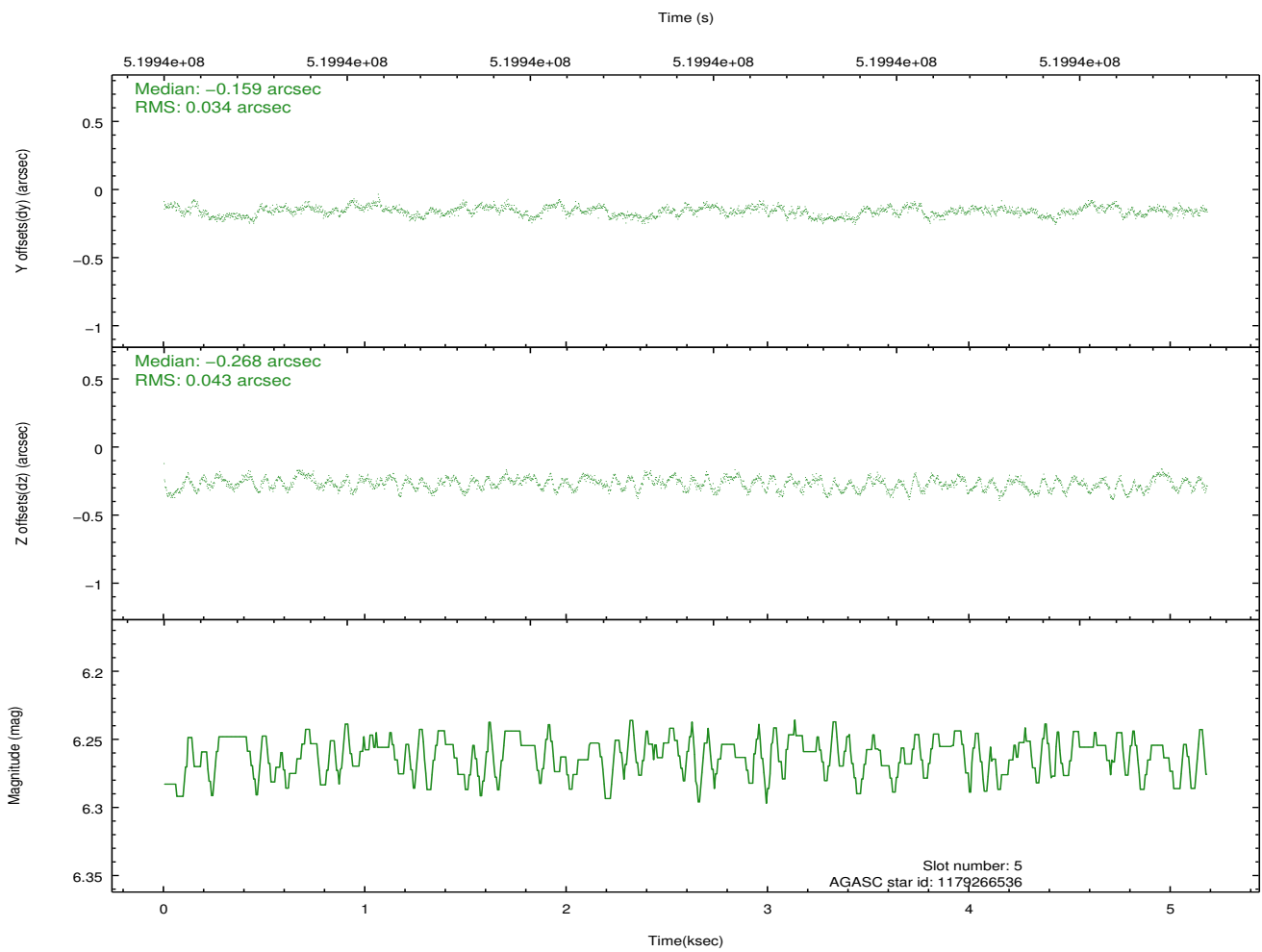
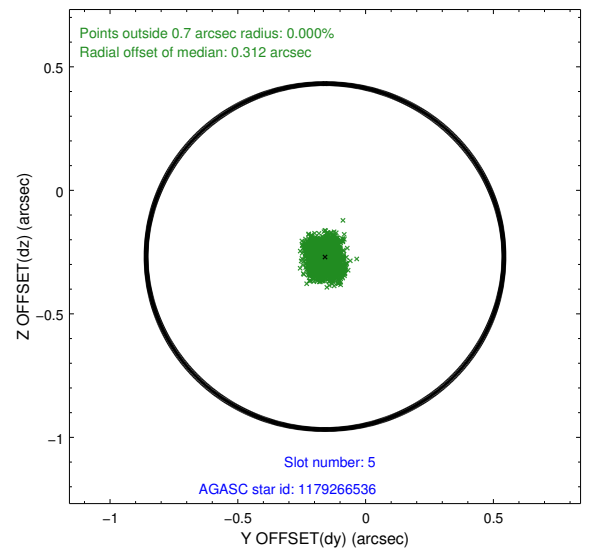
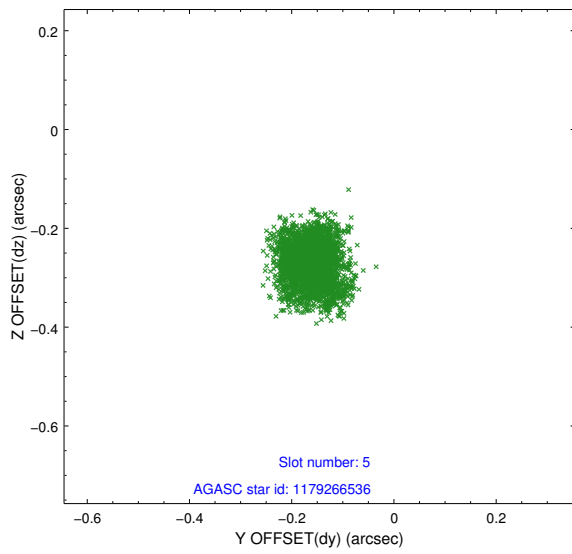
2.4.1 Slot 3



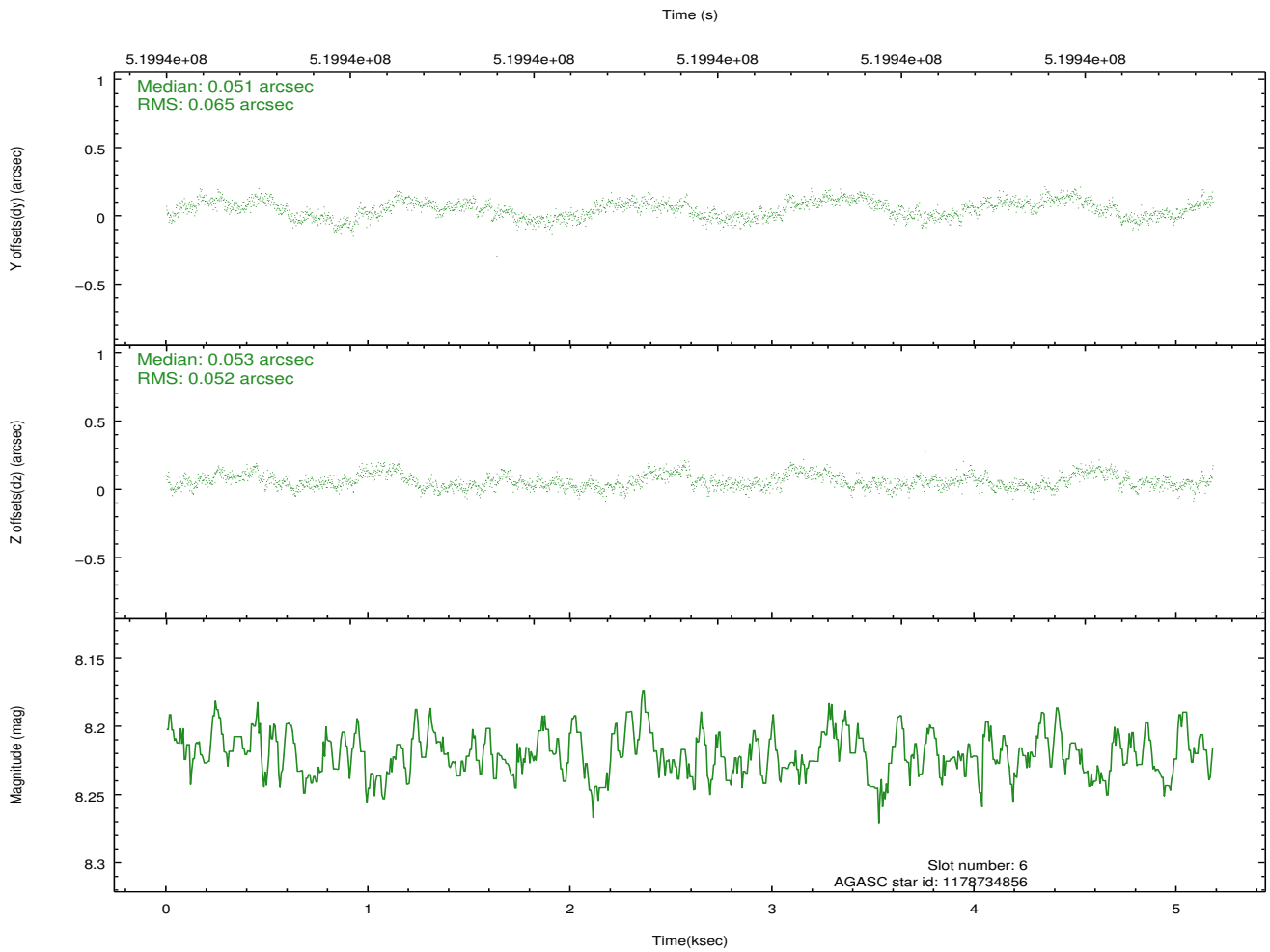
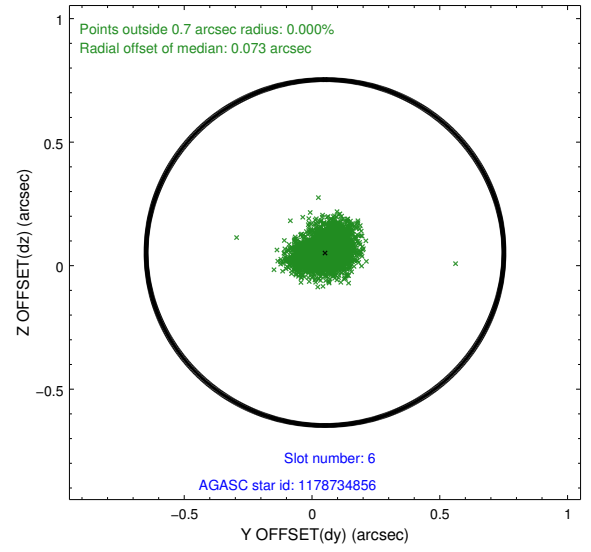
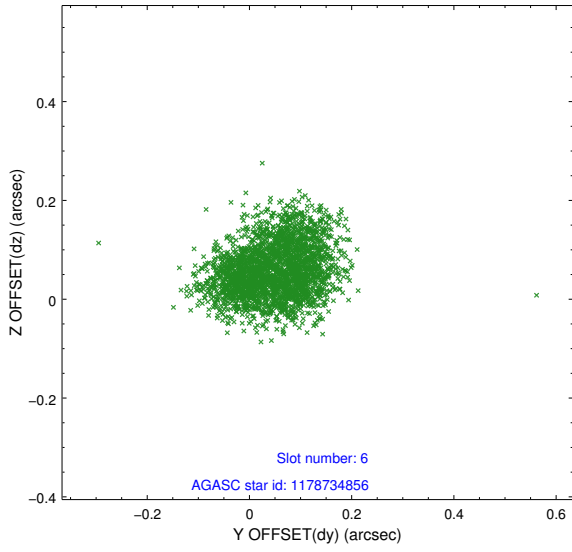
2.4.2 Slot 4



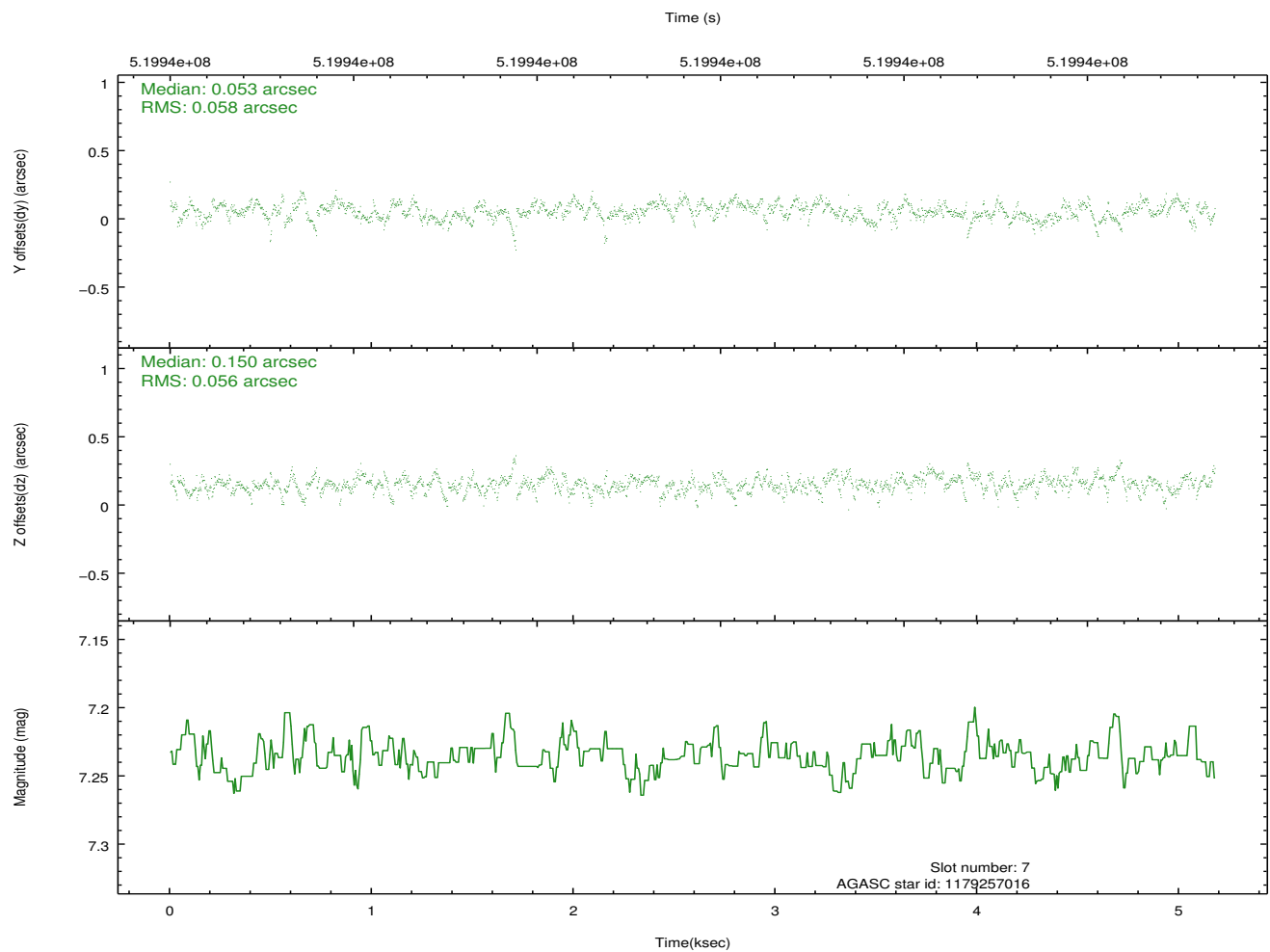
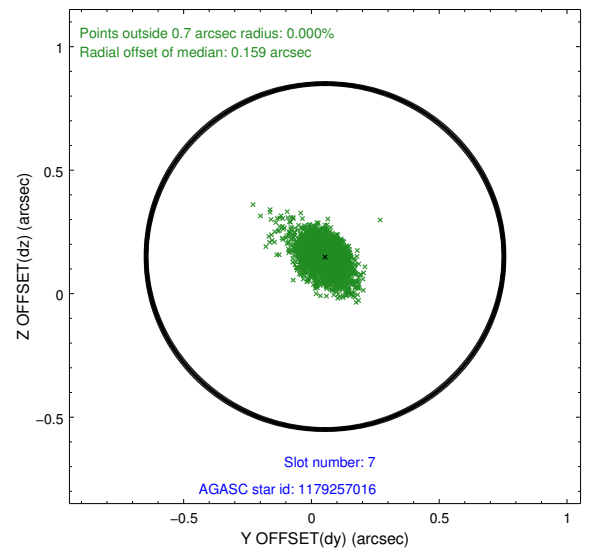
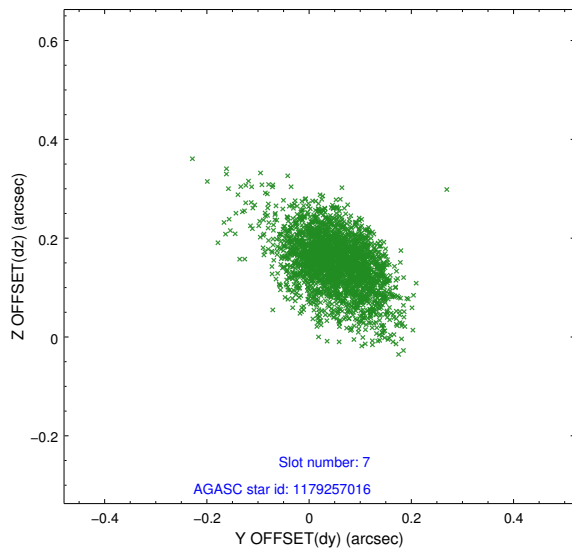
2.4.3 Slot 5



2.4.4 Slot 6

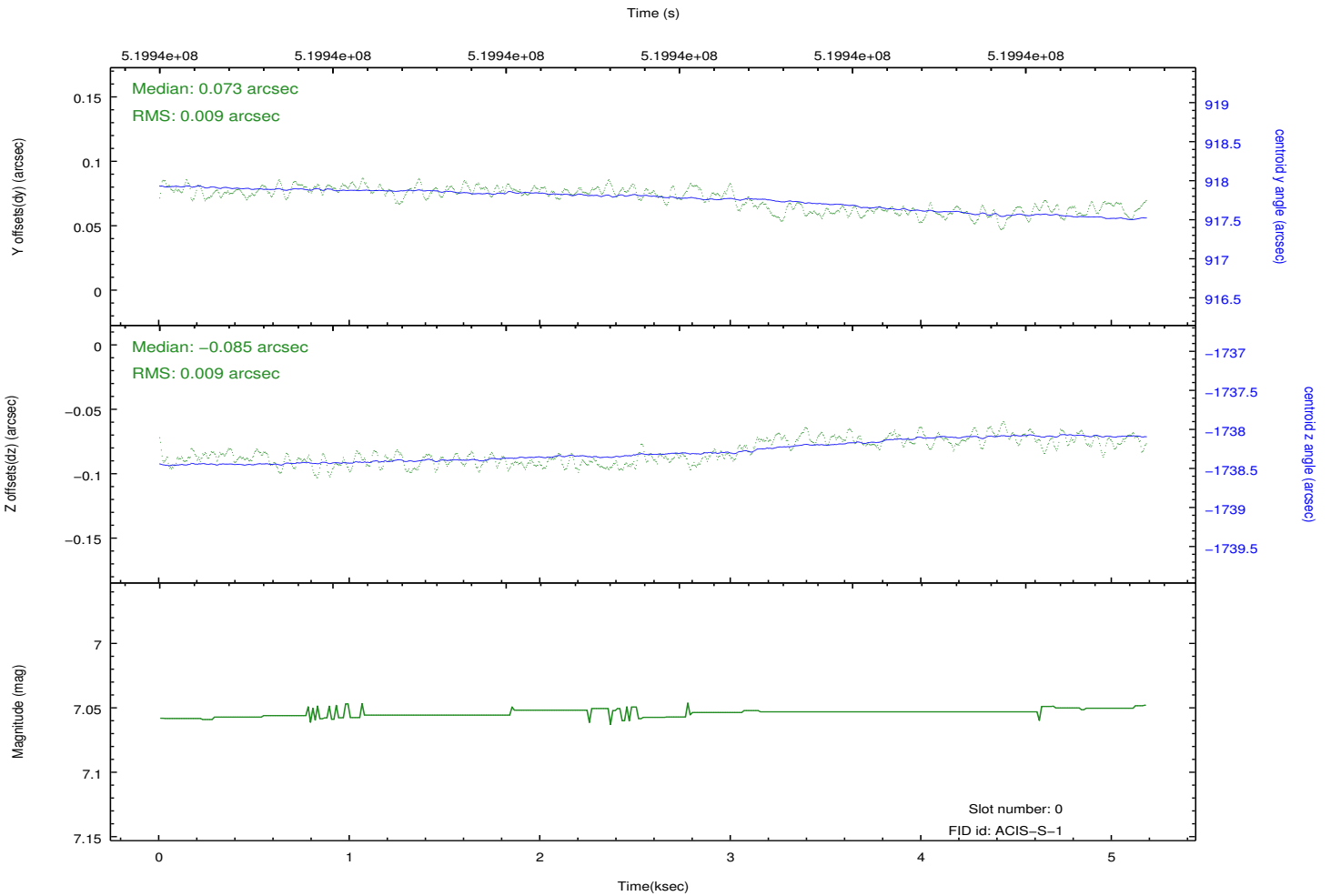
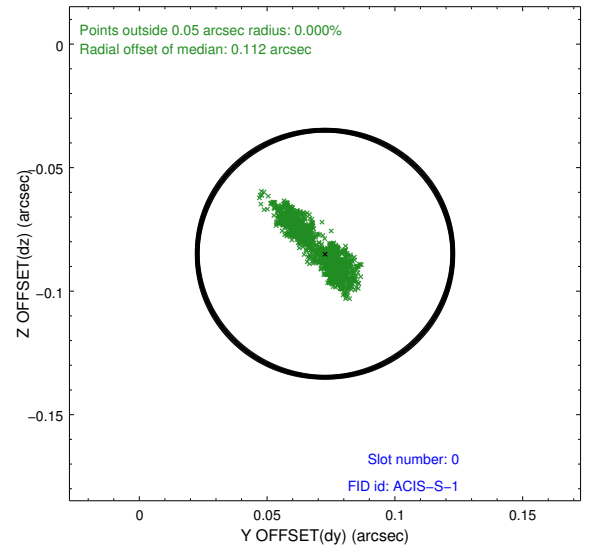
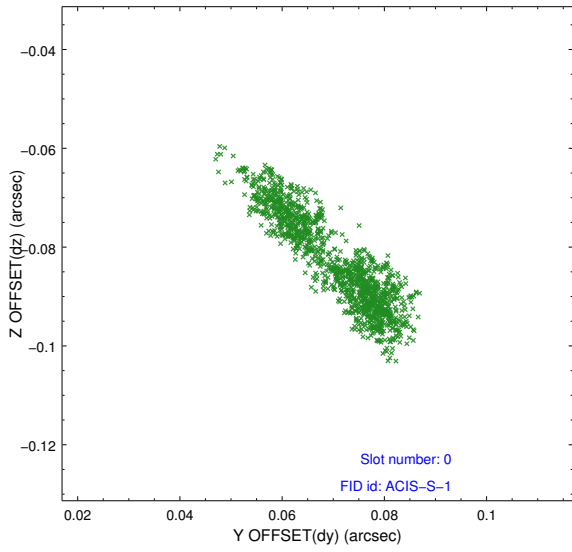


2.4.5 Slot 7

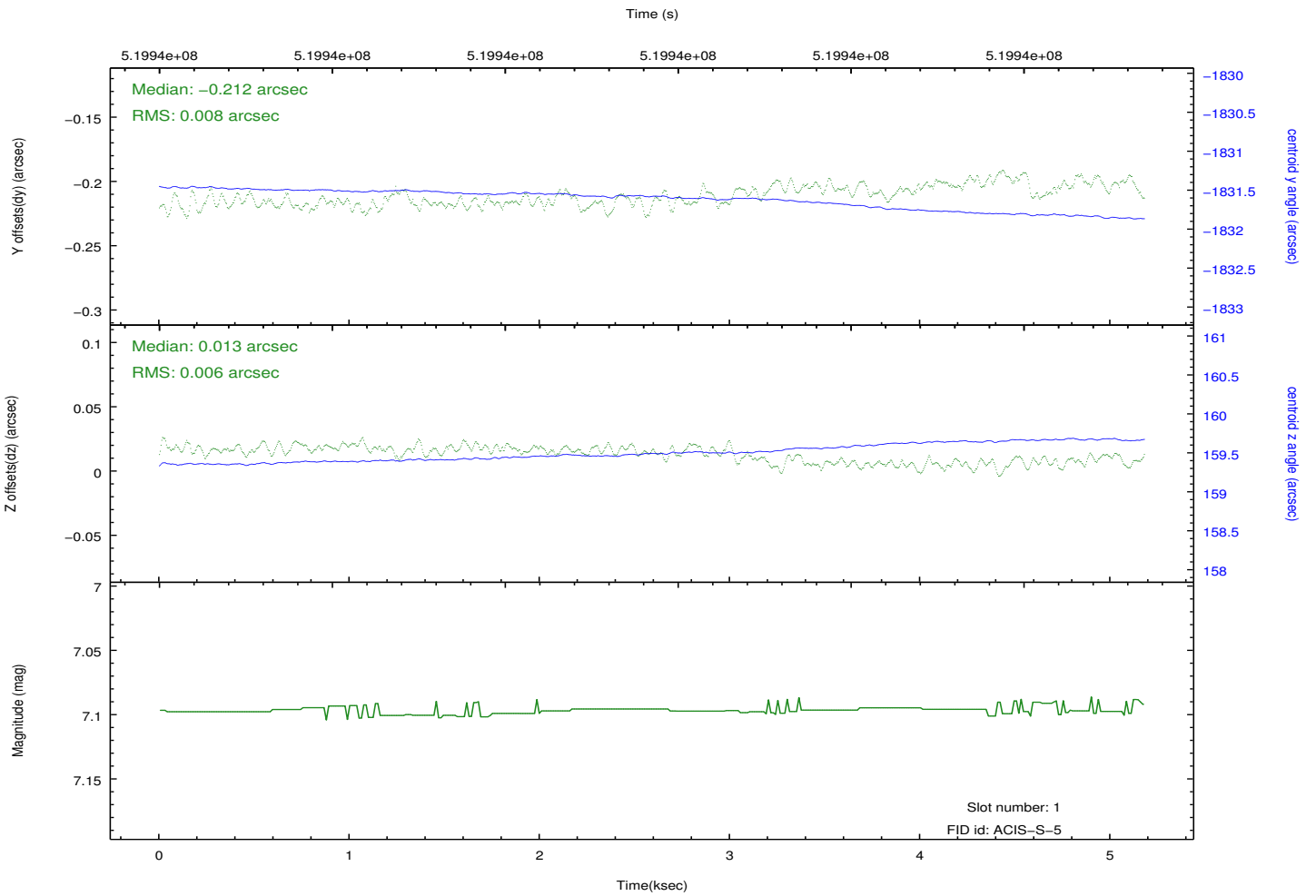
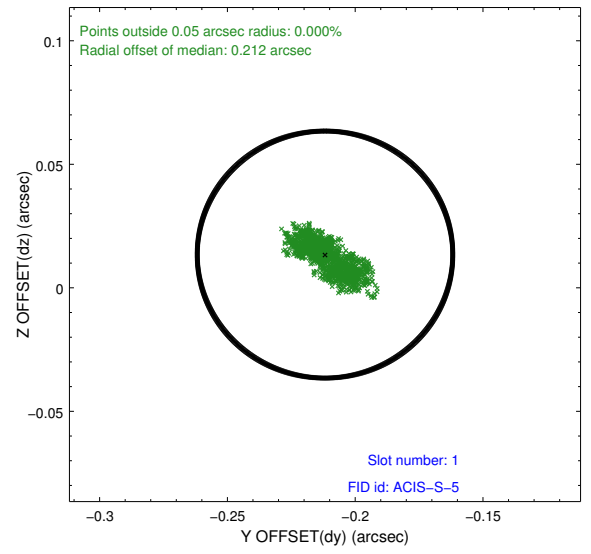
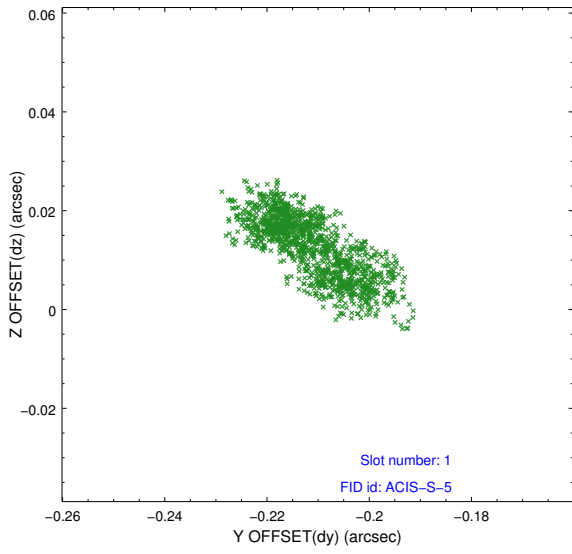


2.5 FID Slots

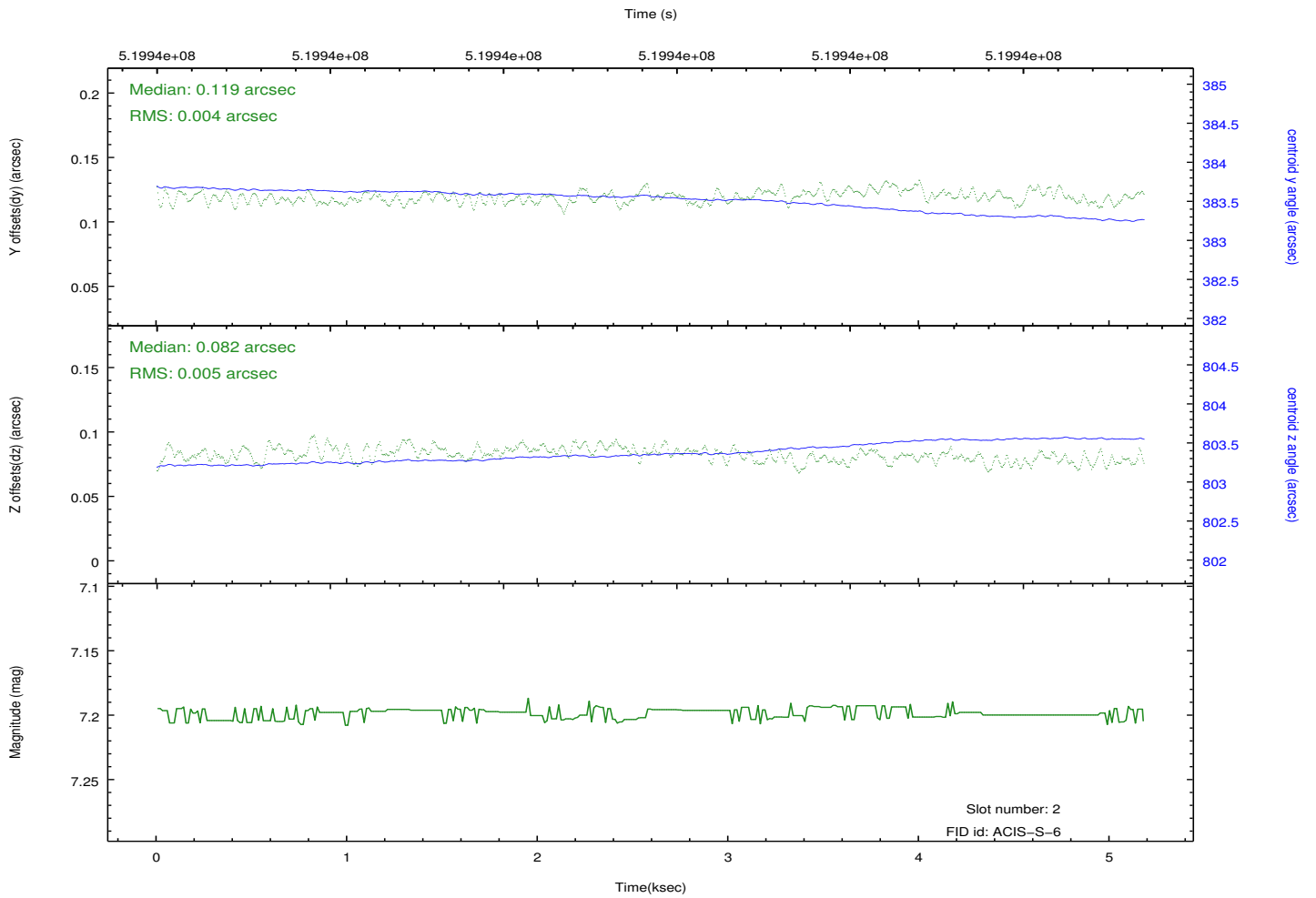
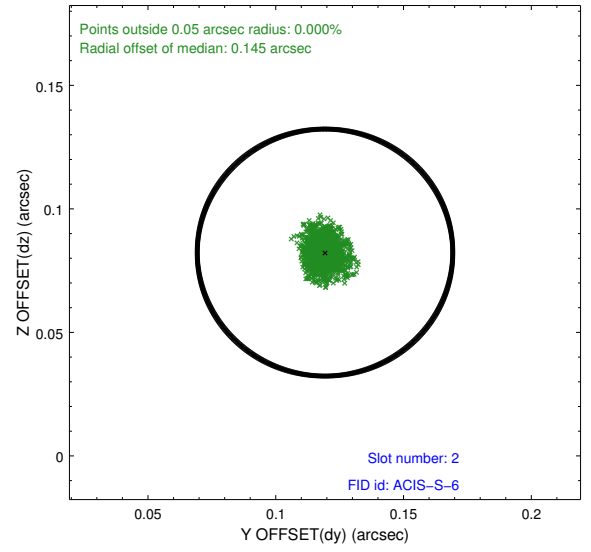
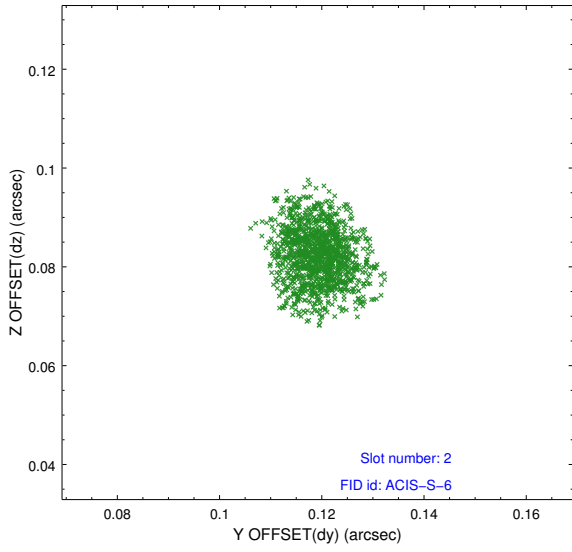
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.10.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.17475

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.