

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21245 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 30 2018

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1 Front

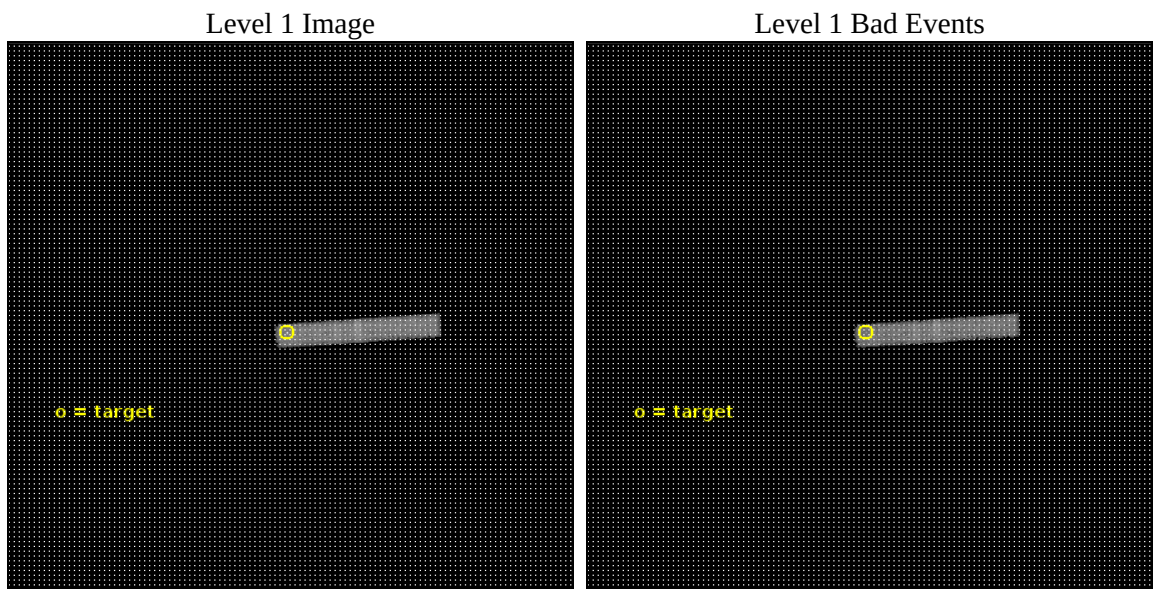
seq_num	402077	Sequence number
obs_id	21245	Observation id
title	X-ray ejecta after the strongest gamma-ray flare in the PSR B1259-63/LS 2883 binary	Proposal title
observer	George Pavlov	Principal investigator
object	PSR B1259-63	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	195.698333	Observer's specified target RA [deg]
dec_targ	-63.83575	Observer's specified target Dec [deg]
ra_nom	195.69186195508	Nominal RA [deg]
dec_nom	-63.829423875969	Nominal Dec [deg]
roll_nom	86.018256794216	Nominal Roll [deg]
revision	1	Processing version of data
ontime	37101.458959937	Sum of GTIs [s]
livetime	34287.16819453	Livetime [s]
ontime3	37101.458959937	Sum of GTIs [s]
l2events	6946	Number of level 2 events



2 OBI

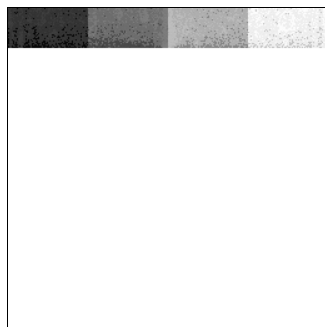
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 3



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	37000.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	37101.458959937	Sum of GTIs [s]
caldsver	4.8.2	 	ontime3	37101.458959937	Sum of GTIs [s]
date	2018-12-30T14:22:13	Date and time of file creation	l1events	49071	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

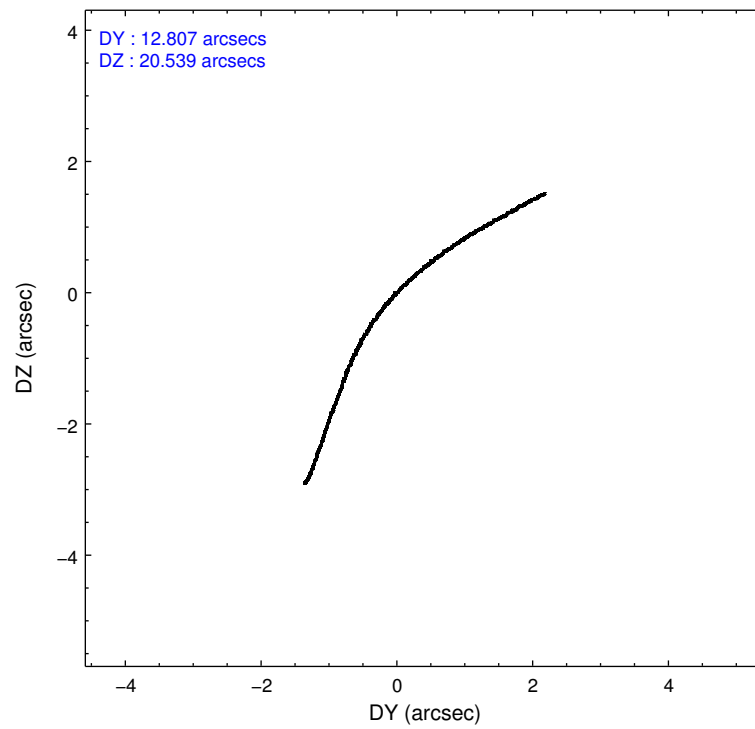
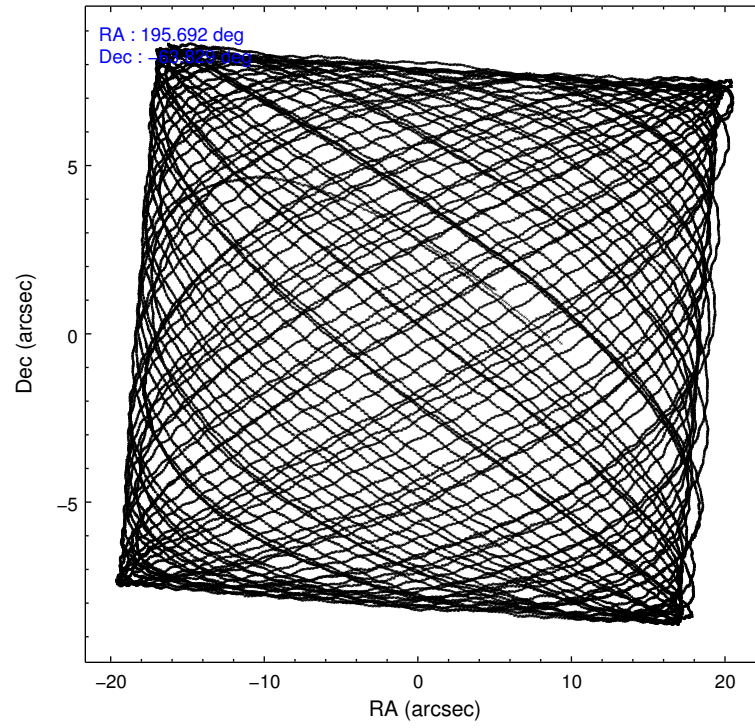
	ccd 3
level 1 events	49071
rejected events	41210
rejected %	83%

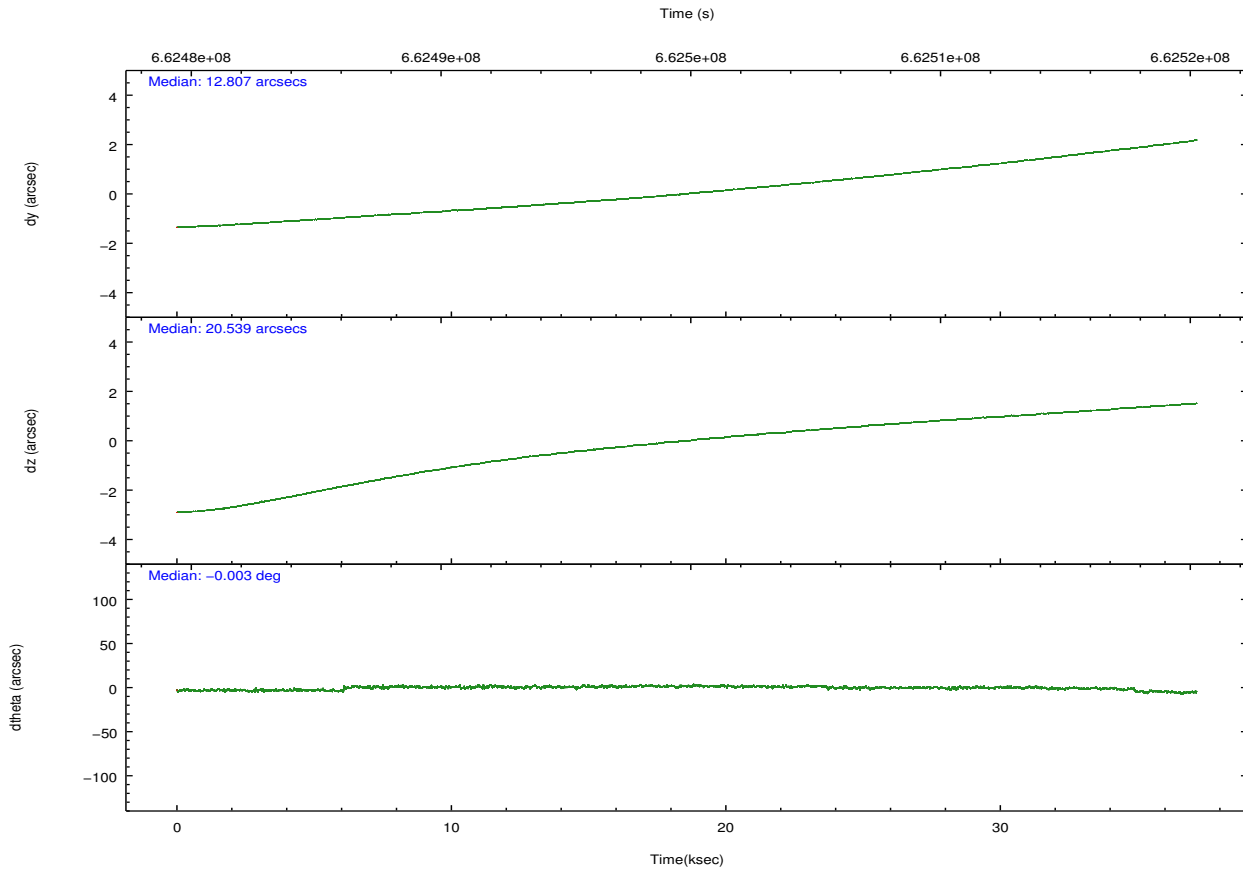
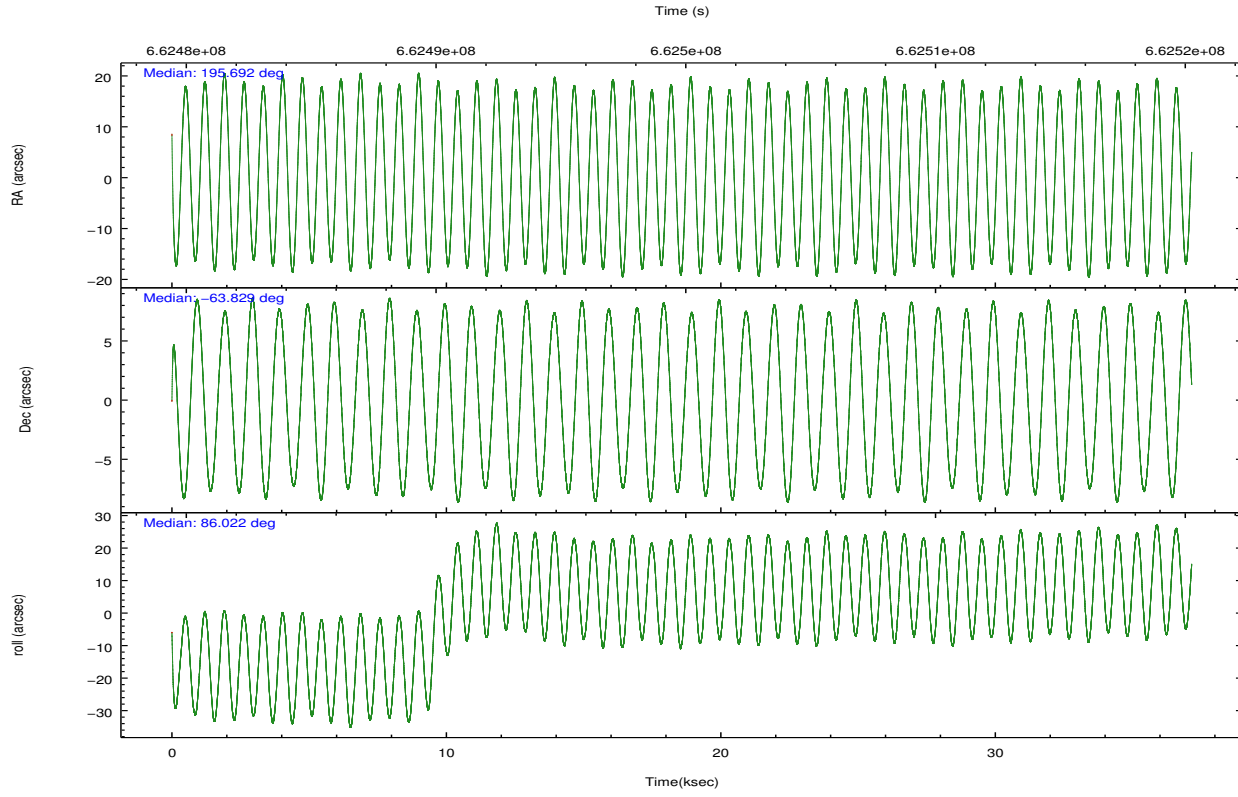
	ccd 3
grade 0 events	3681
	7%
grade 1 events	30
	0%
grade 2 events	1064
	2%
grade 3 events	1096
	2%
grade 4 events	1039
	2%
grade 5 events	1764
	3%
grade 6 events	981
	1%
grade 7 events	39416
	80%

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	195.719562	195.6918619550752	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-63.854199	-63.82942387596941	Subarray start row	897	897
[deg] Pointing Roll	85.834432	86.01825679421607	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)	662481414.184000	662480276.52476			
Observation start date	2018-12-29T14:35:45	2018-12-29T14:17:56			
[s] Observation end time (MET)	662518414.184000	662519440.2395999			
Observation end date	2018-12-30T00:52:25	2018-12-30T01:10:40			
Read mode	TIMED	TIMED			

2.3 Aspect



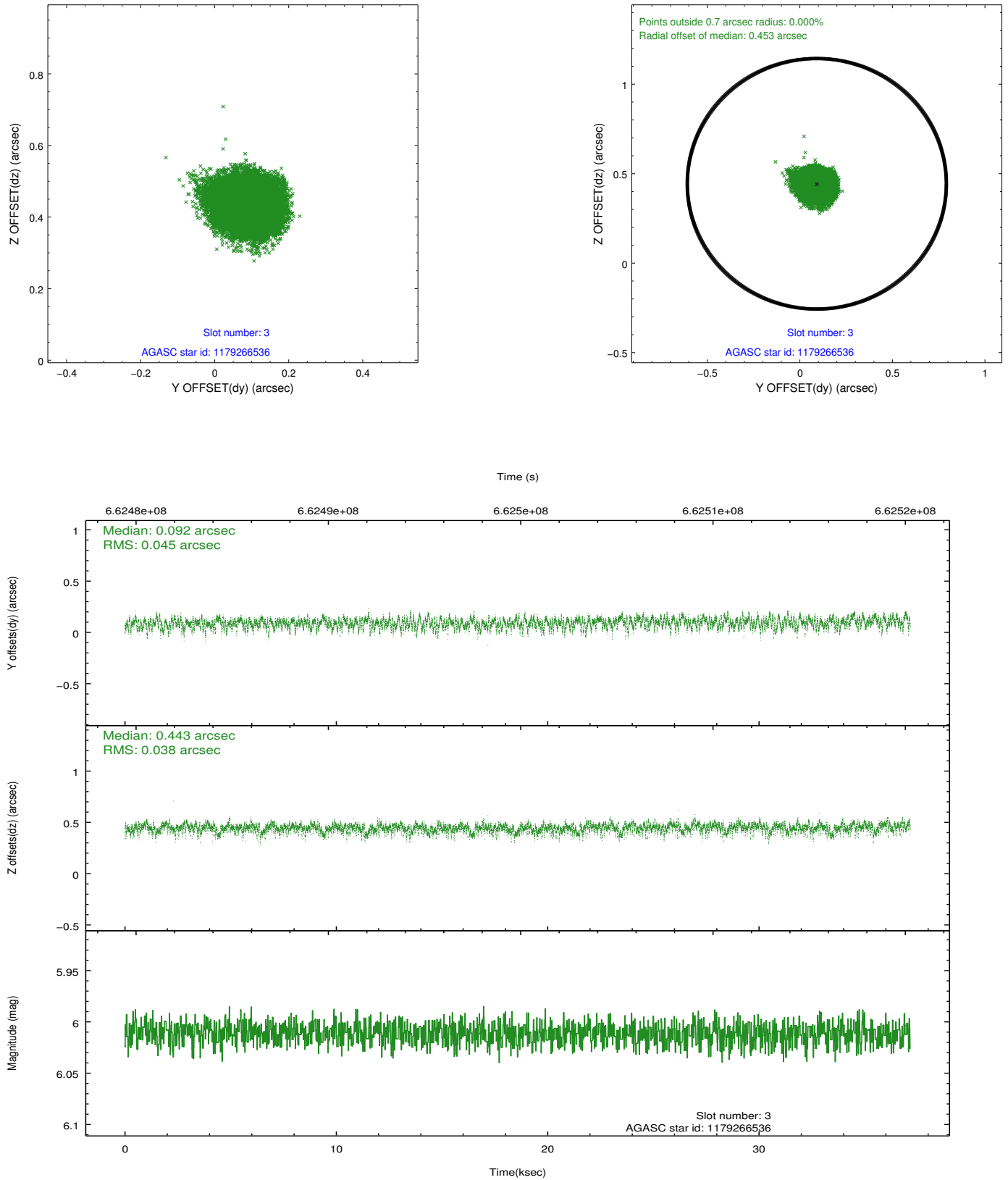


Slot Statistics

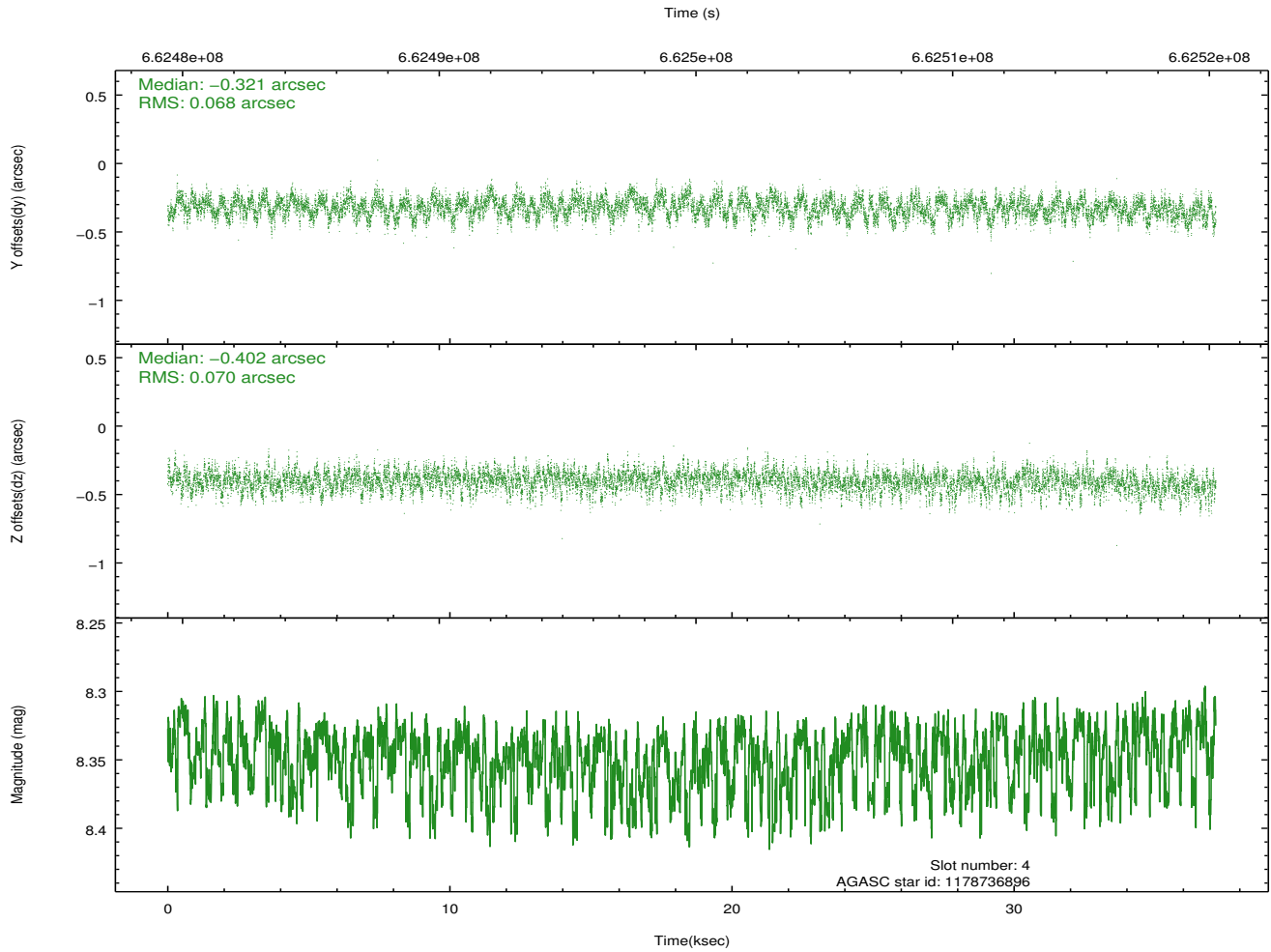
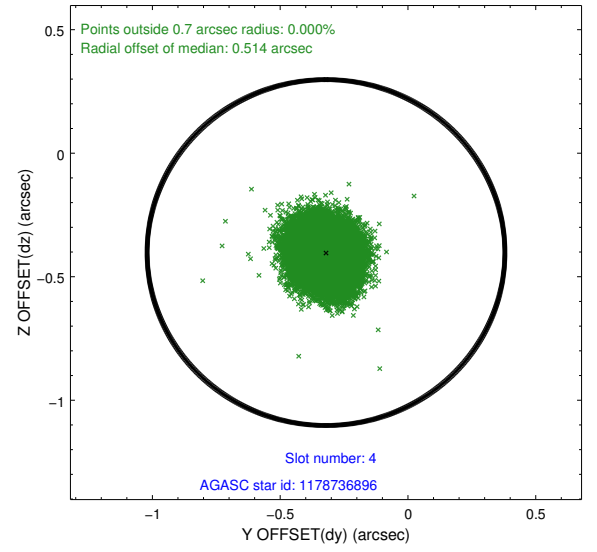
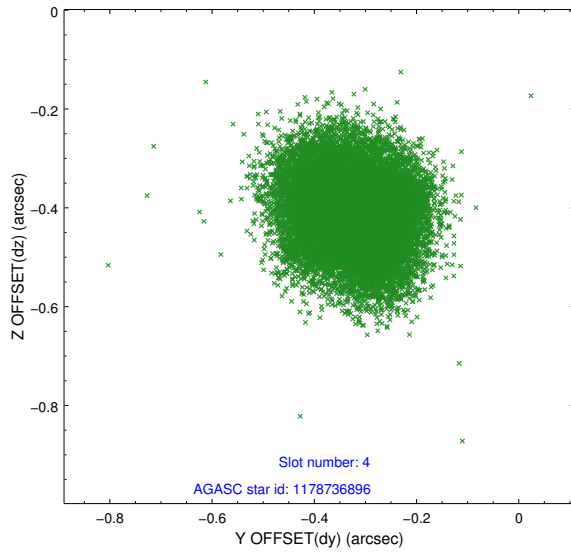
ot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.20	9063	1.000	-0.215	-0.199	0.030	0.074	0.000000	0.000000	926.35	-844
1	FID		ACIS-I-4	7.16	9060	1.000	0.302	0.233	0.023	0.049	0.000000	0.000000	2146.90	1056
2	FID		ACIS-I-6	7.20	9061	1.000	-0.183	0.025	0.029	0.047	0.000000	0.000000	392.29	1698
3	GUIDE	used	1179266536	6.01	18123	1.000	0.092	0.443	0.063	0.103	195.962698	-64.099870	-854.75	-445
4	GUIDE	used	1178736896	8.35	18121	1.000	-0.321	-0.402	0.105	0.167	194.755483	-63.640622	643.29	1591
5	GUIDE	used	1178734856	8.21	18115	1.000	-0.267	-0.178	0.073	0.119	195.759625	-63.178913	2429.31	111
6	GUIDE	used	1179257016	7.20	18122	1.000	-0.078	-0.377	0.126	0.247	194.140559	-64.360891	-2028.16	2318
7	GUIDE	used	1179266488	7.11	18121	1.000	0.588	0.517	0.111	0.176	196.258505	-64.441584	-2051.48	-987

2.4 Star Slots

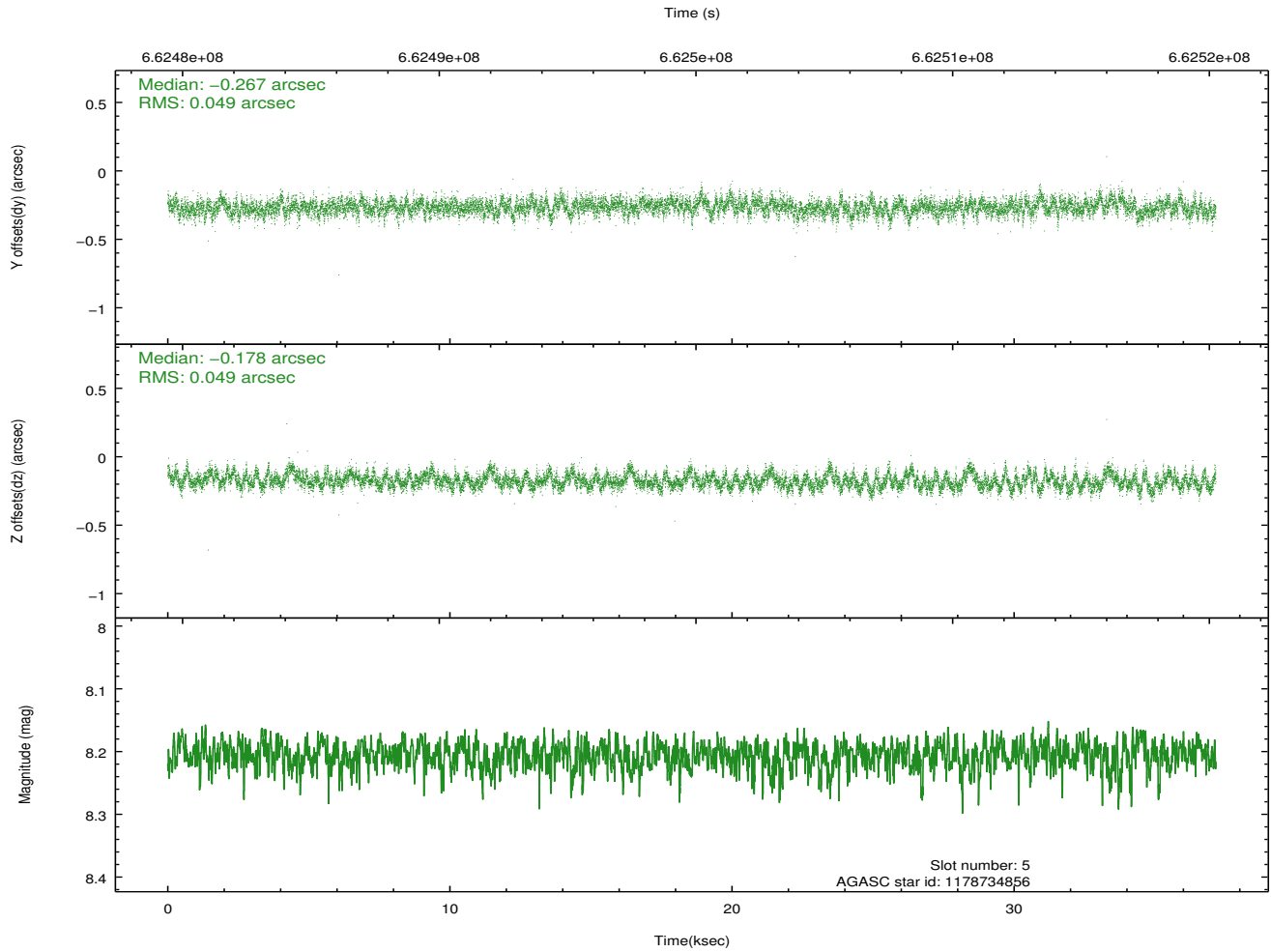
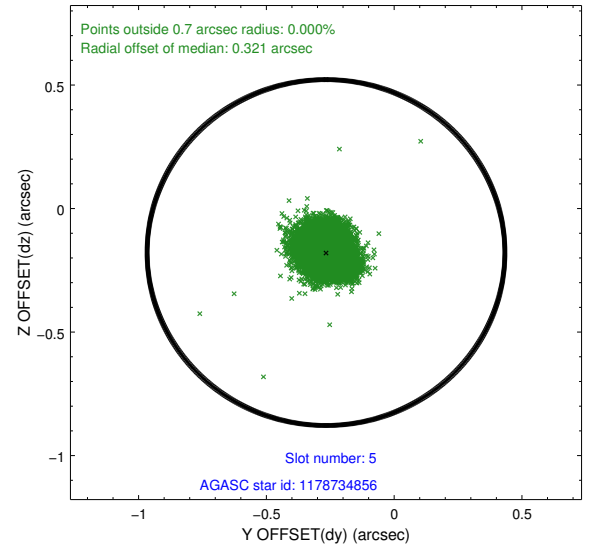
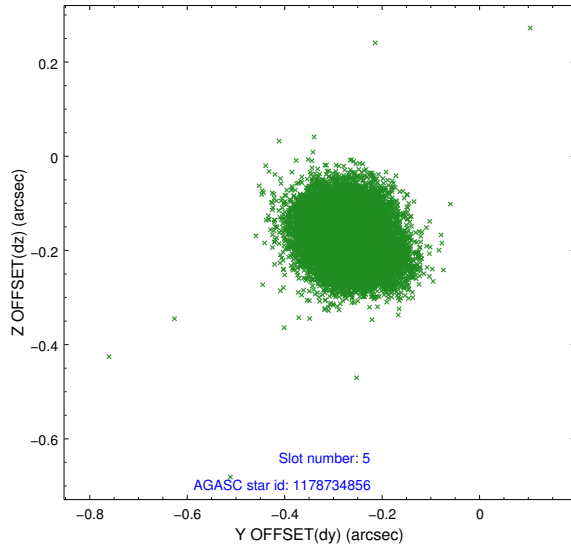
2.4.1 Slot 3



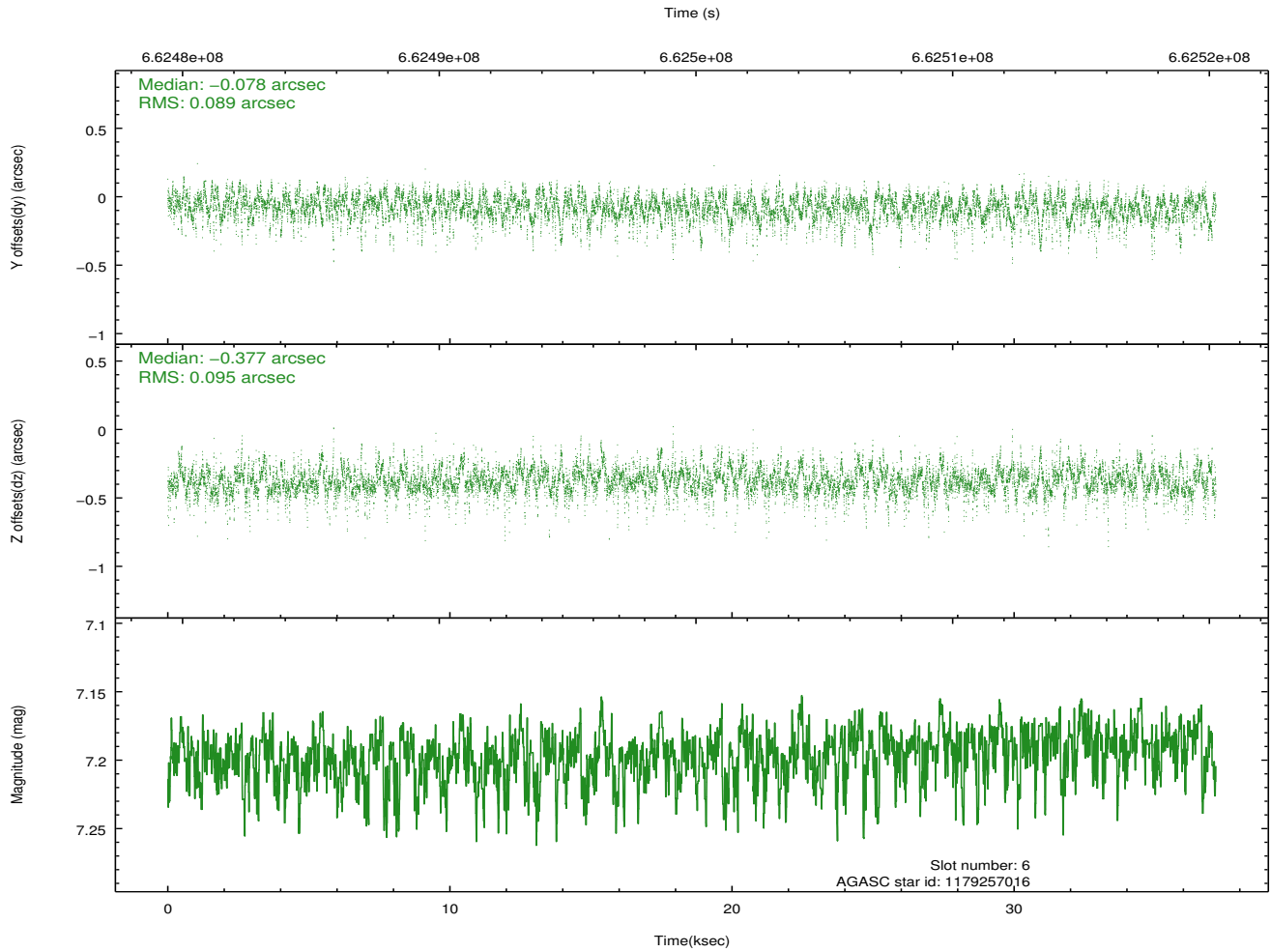
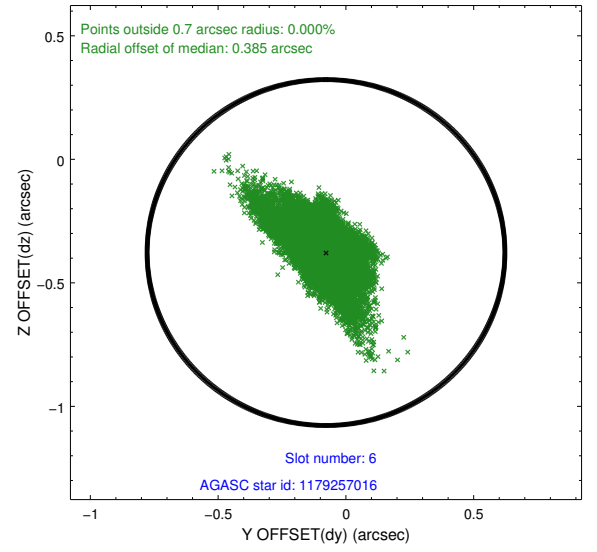
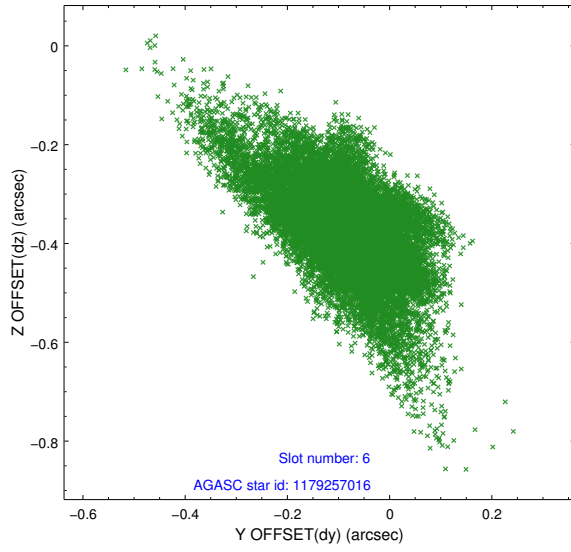
2.4.2 Slot 4



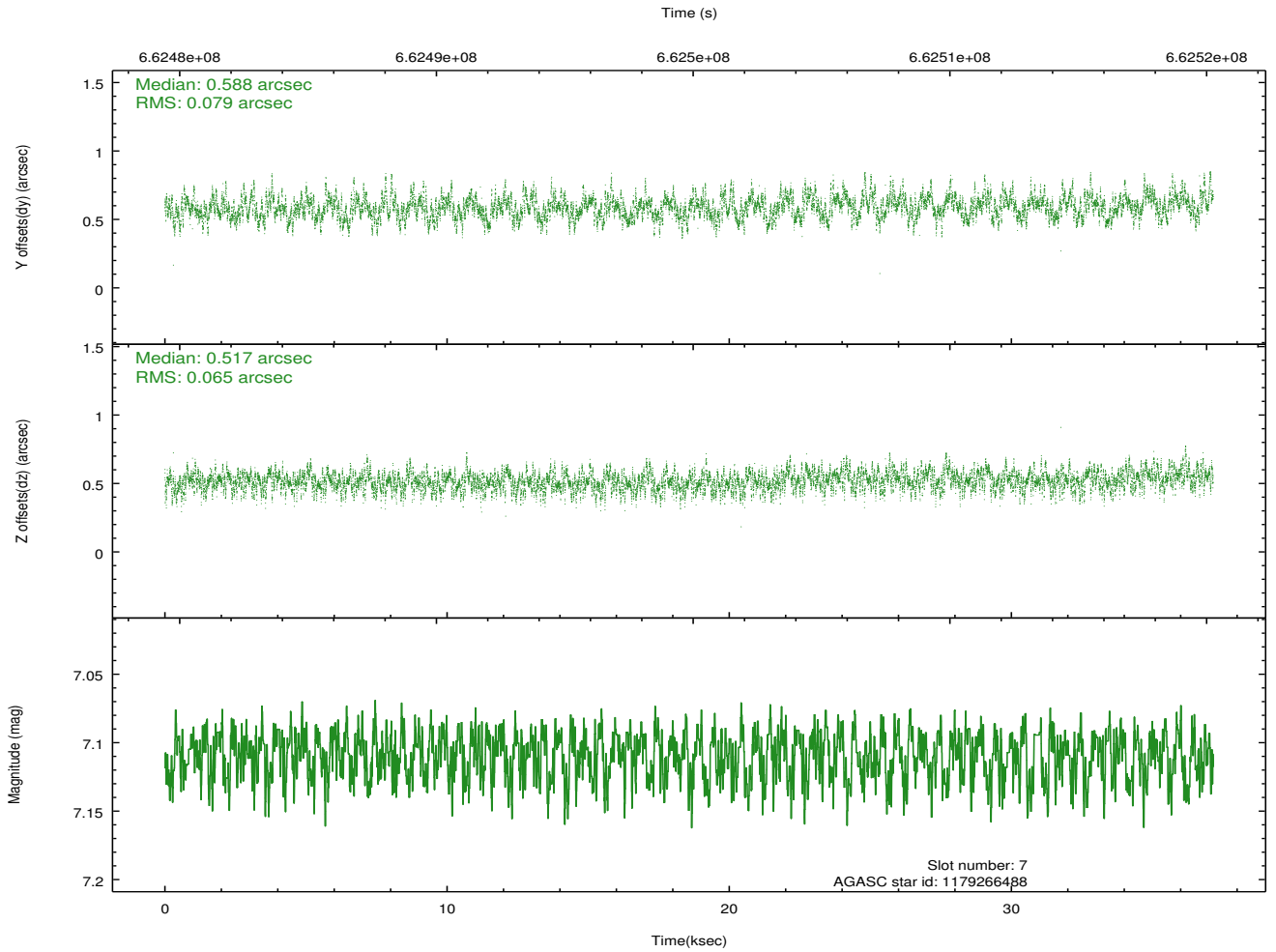
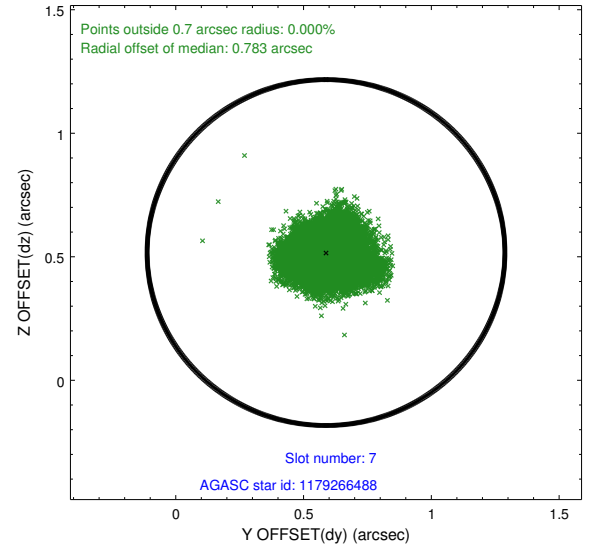
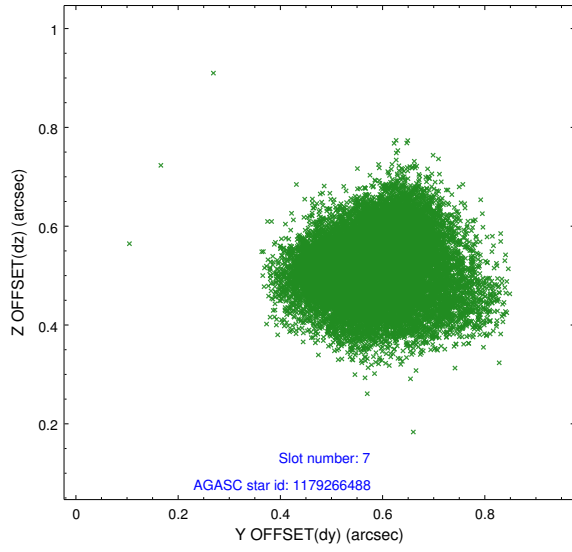
2.4.3 Slot 5



2.4.4 Slot 6

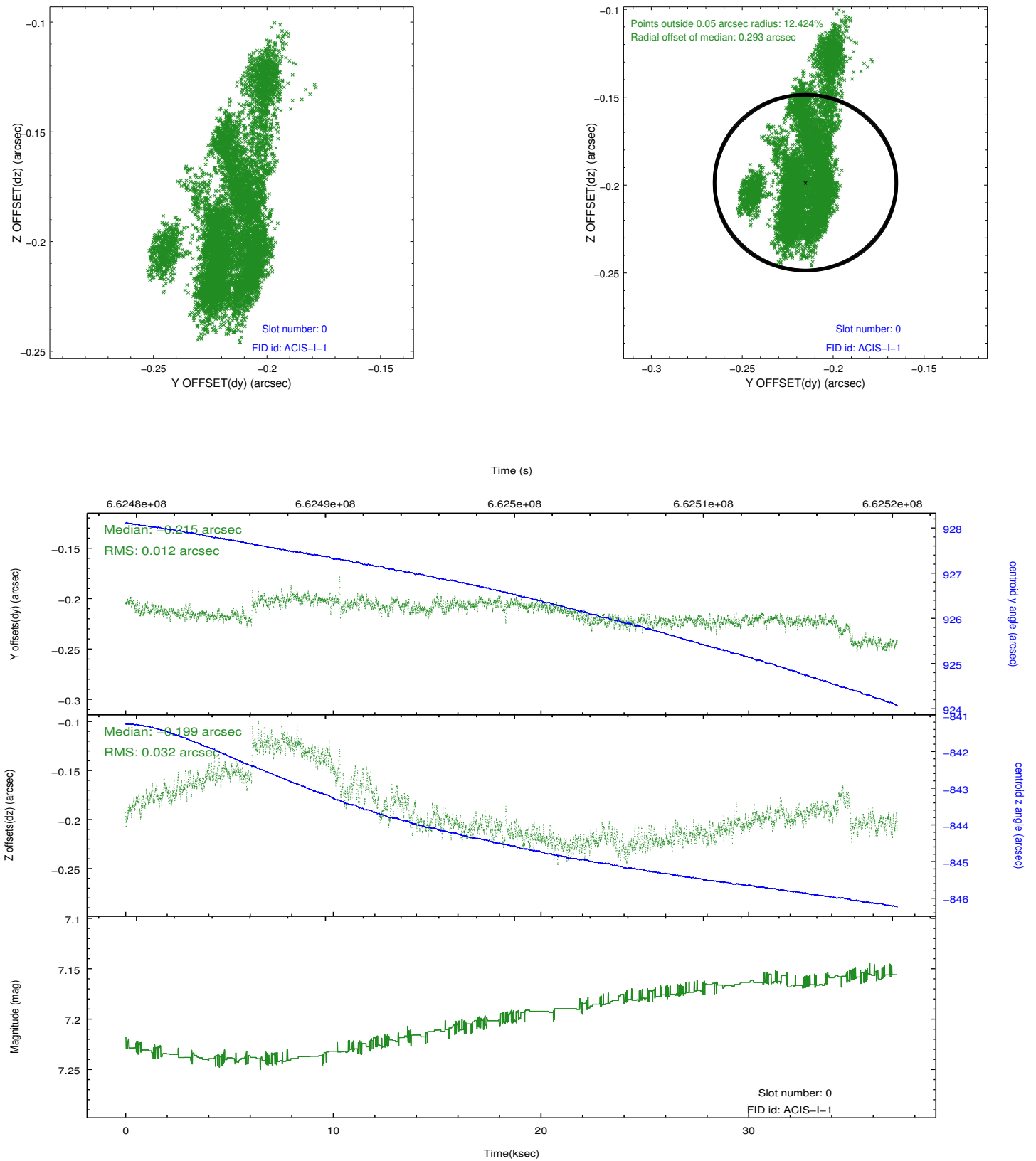


2.4.5 Slot 7

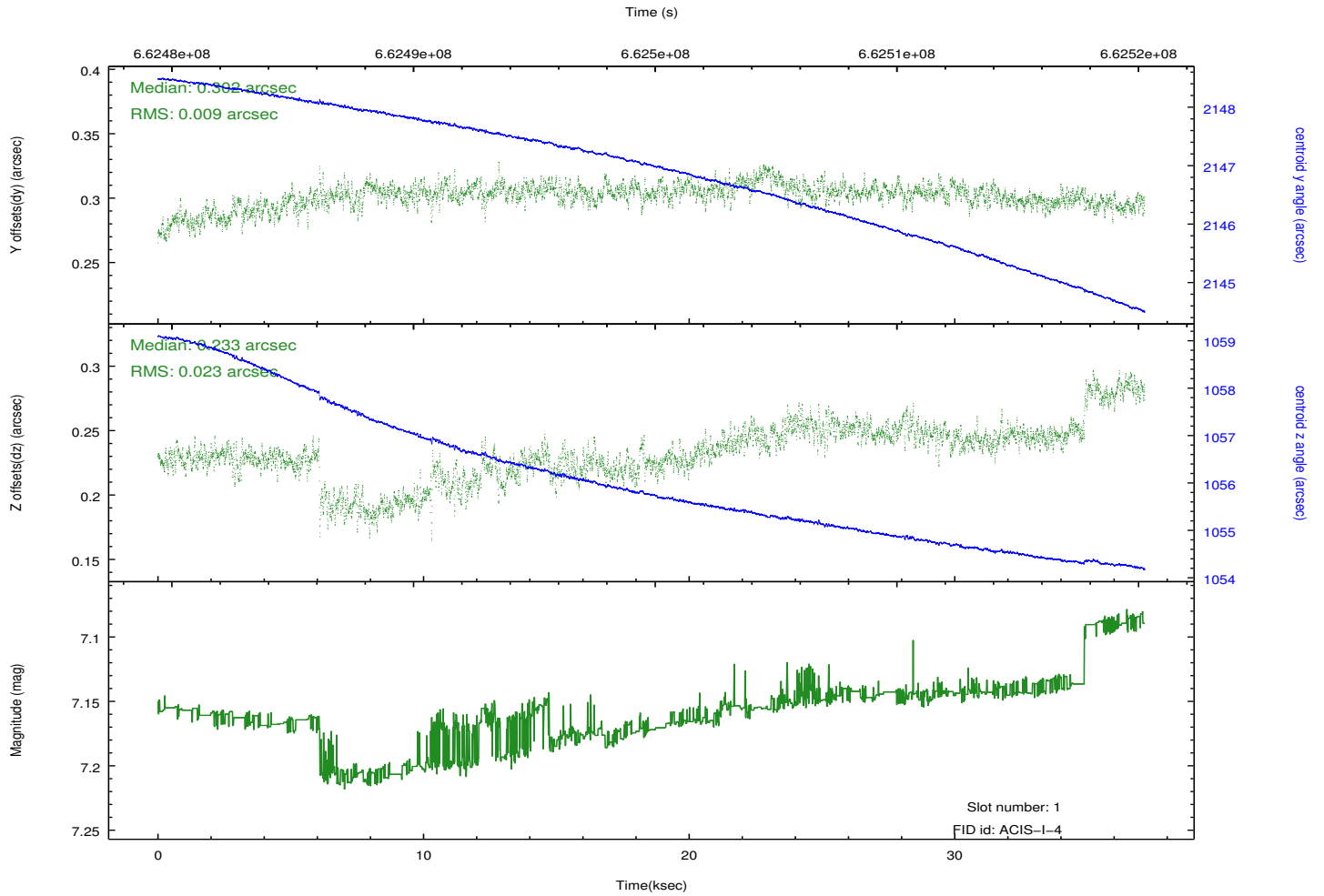
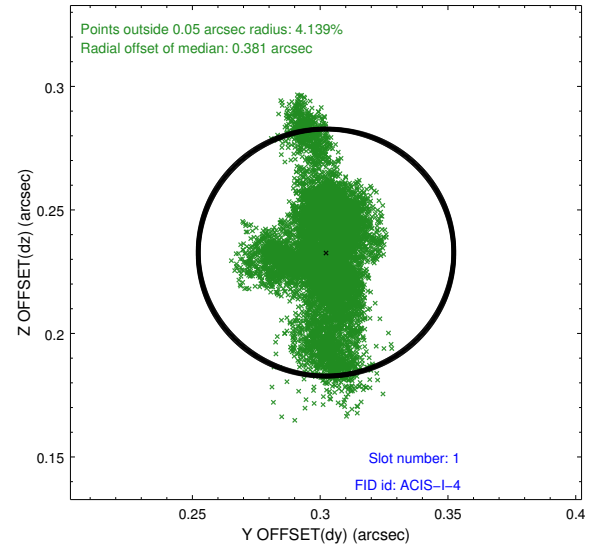
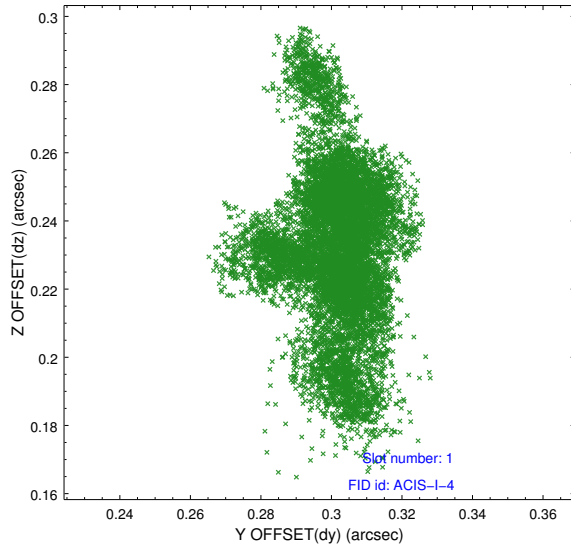


2.5 FID Slots

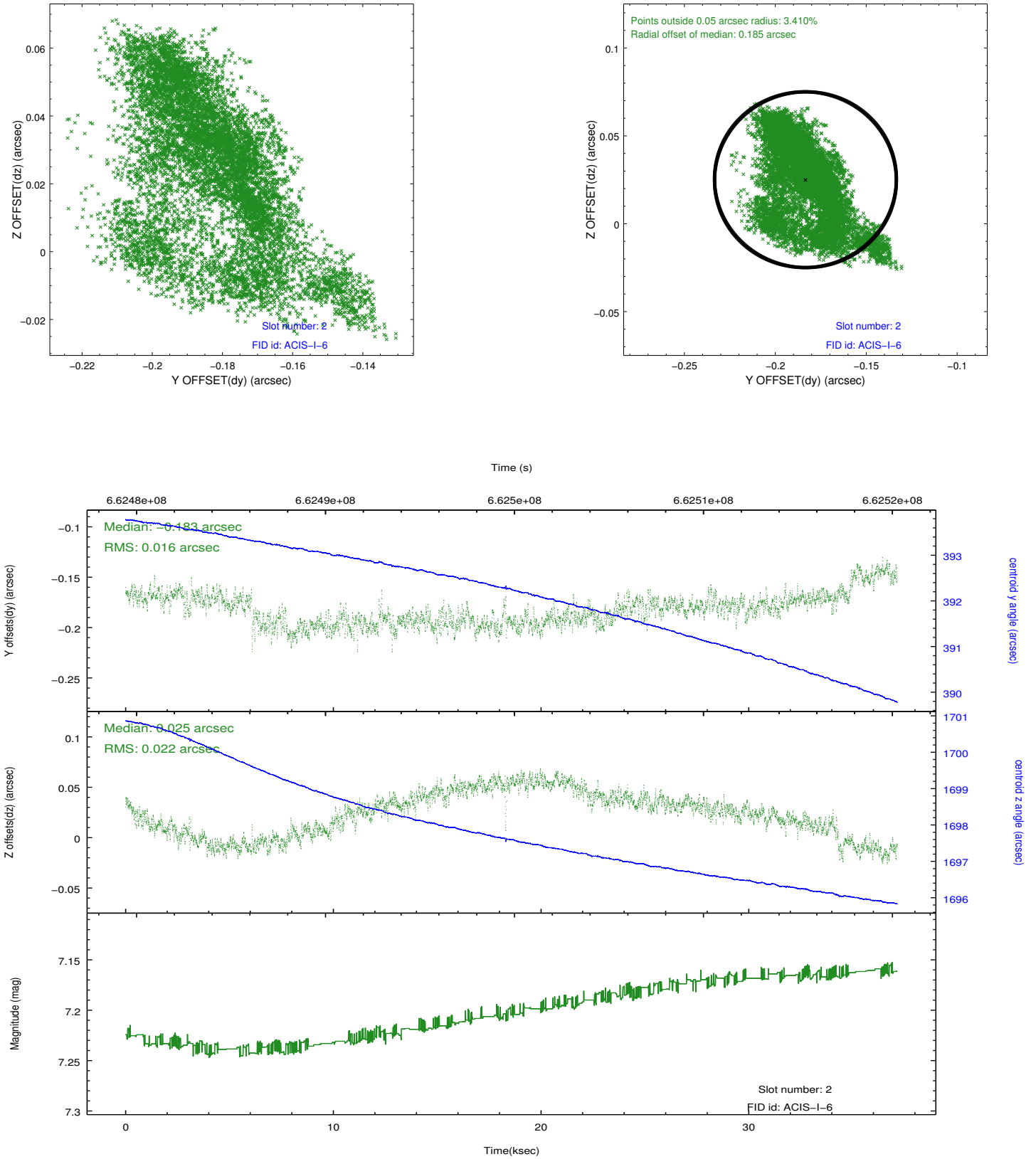
2.5.1 Slot 0



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)	2018.12.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	37.101458959937

A.2 Comments