

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 18744 - L2 Version 1
Chandra X-Ray Center

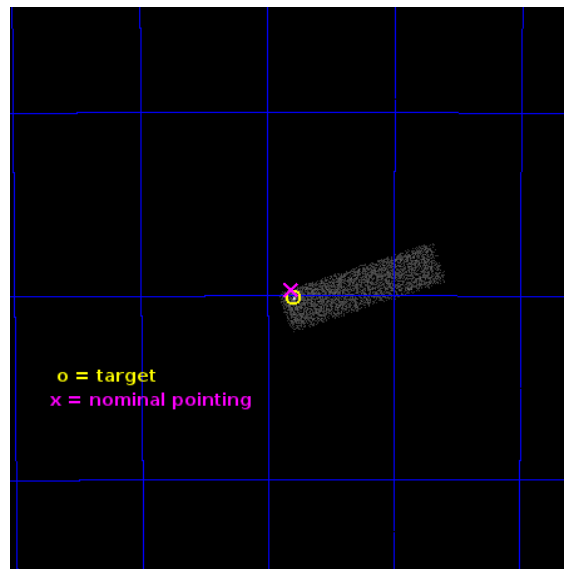
L2 Processing Date : Jan 16 2016

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1 Front

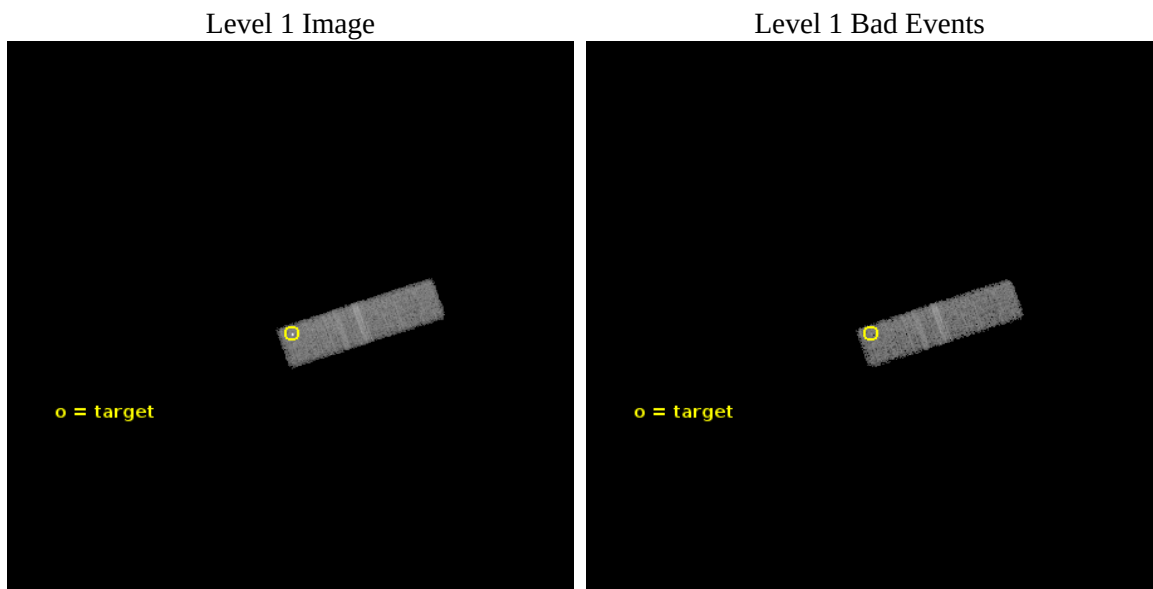
seq_num	502341	Sequence number
obs_id	18744	Observation id
title	The puzzling dynamic nebula powered by the pulsar B1259-63 in a high-mass binary	Proposal title
observer	Dr. George Pavlov	Principal investigator
object	PSR B1259-63	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	195.6988	Observer's specified target RA [deg]
dec_targ	-63.835614	Observer's specified target Dec [deg]
ra_nom	195.70280501988	Nominal RA [deg]
dec_nom	-63.828031697201	Nominal Dec [deg]
roll_nom	71.212298618851	Nominal Roll [deg]
revision	1	Processing version of data
ontime	30064.584438801	Sum of GTIs [s]
livetime	28597.531093694	Livetime [s]
ontime3	30064.584438801	Sum of GTIs [s]
l2events	7135	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	30000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3	Processing system revision	ontime	30064.584438801	Sum of GTIs [s]
caldsver	4.7.0	 	ontime3	30064.584438801	Sum of GTIs [s]
date	2016-01-16T22:51:54	Date and time of file creation	l1events	52398	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

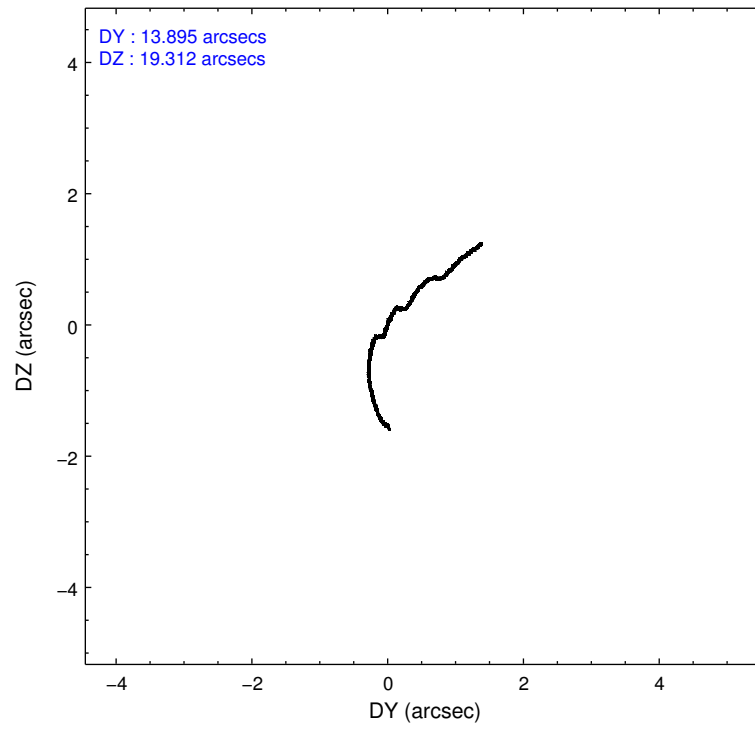
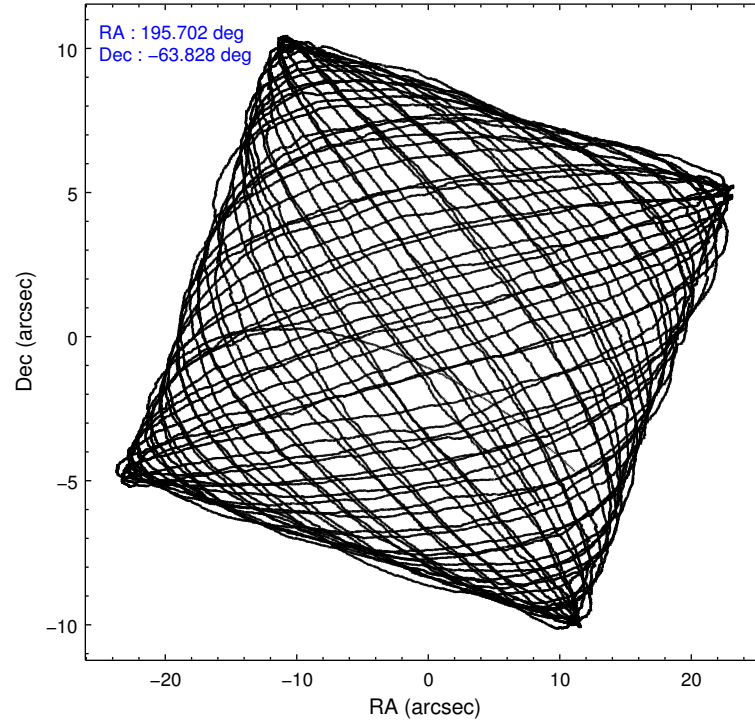
	ccd 3
level 1 events	52398
rejected events	44442
rejected %	84%

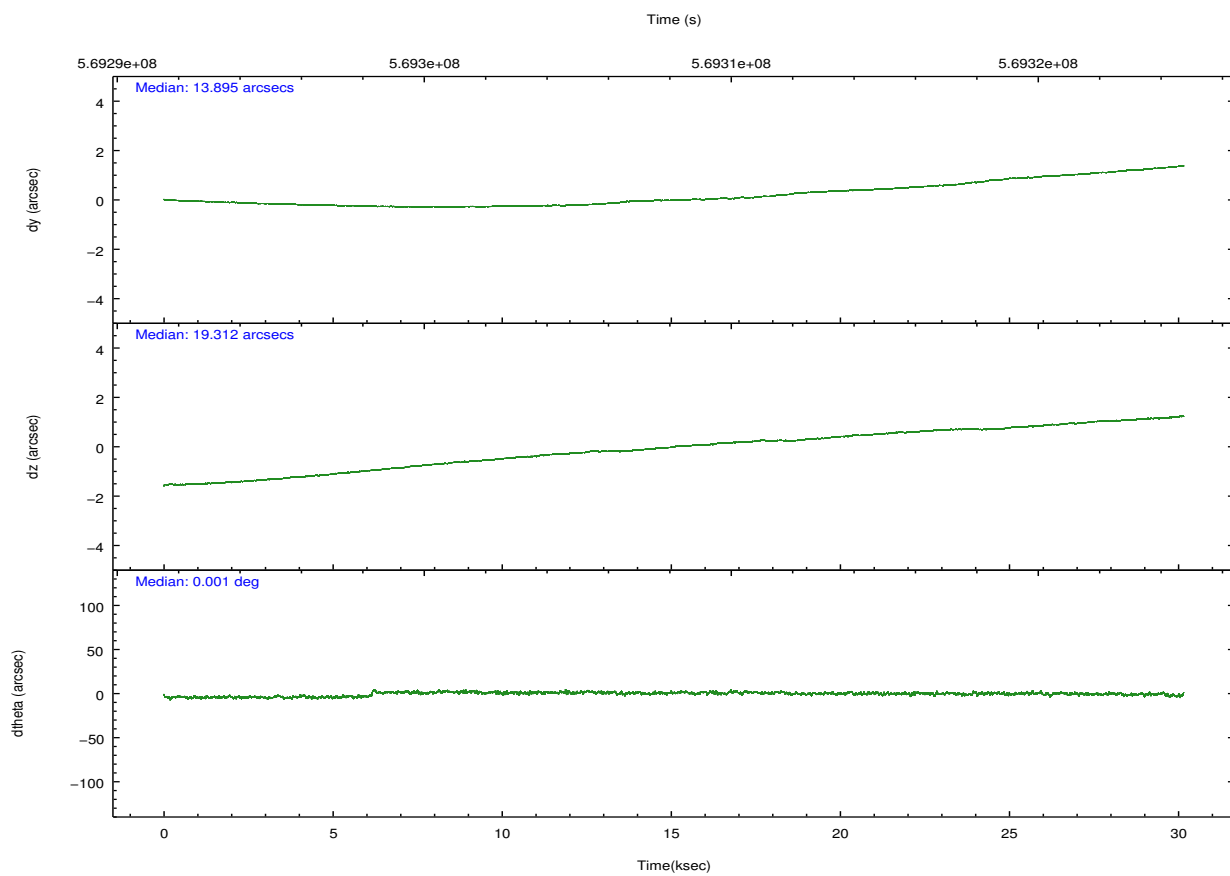
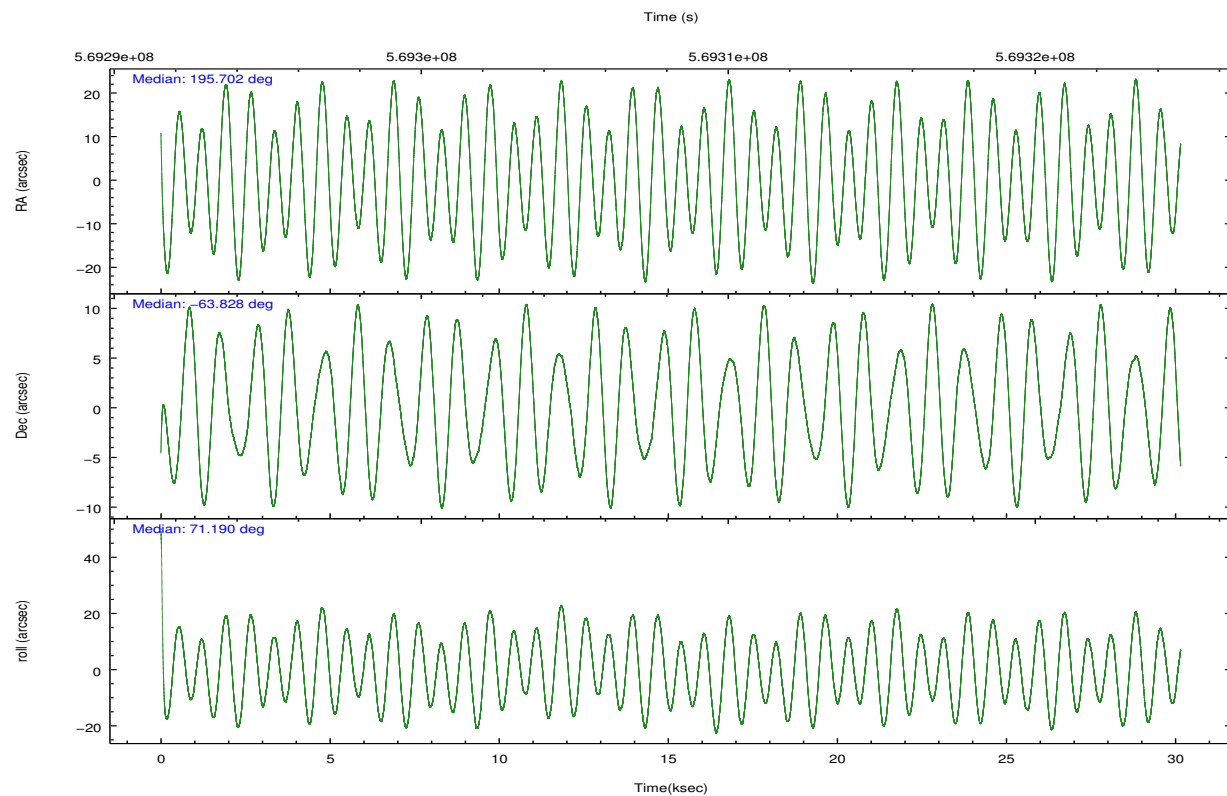
	ccd 3
grade 0 events	3871
	7%
grade 1 events	27
	0%
grade 2 events	1184
	2%
grade 3 events	986
	1%
grade 4 events	967
	1%
grade 5 events	2041
	3%
grade 6 events	948
	1%
grade 7 events	42374
	80%

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	195.715233	195.7028050198769	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-63.855087	-63.82803169720117	Subarray start row	769	769
[deg] Pointing Roll	71.014750	71.21229861885051	Subarray row count	256	256
[s] Window start time (MET)	566092868.184000	566092868.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	569635268.184000	569635268.184000	[s] Primary exposure time	0.000000	0.8
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	569293206.184000	569292052.70108			
Observation start date	2016-01-16T00:58:58	2016-01-16T00:40:52			
[s] Observation end time (MET)	569323206.184000	569324008.6154			
Observation end date	2016-01-16T09:18:58	2016-01-16T09:33:28			
Read mode	TIMED	TIMED			

2.3 Aspect



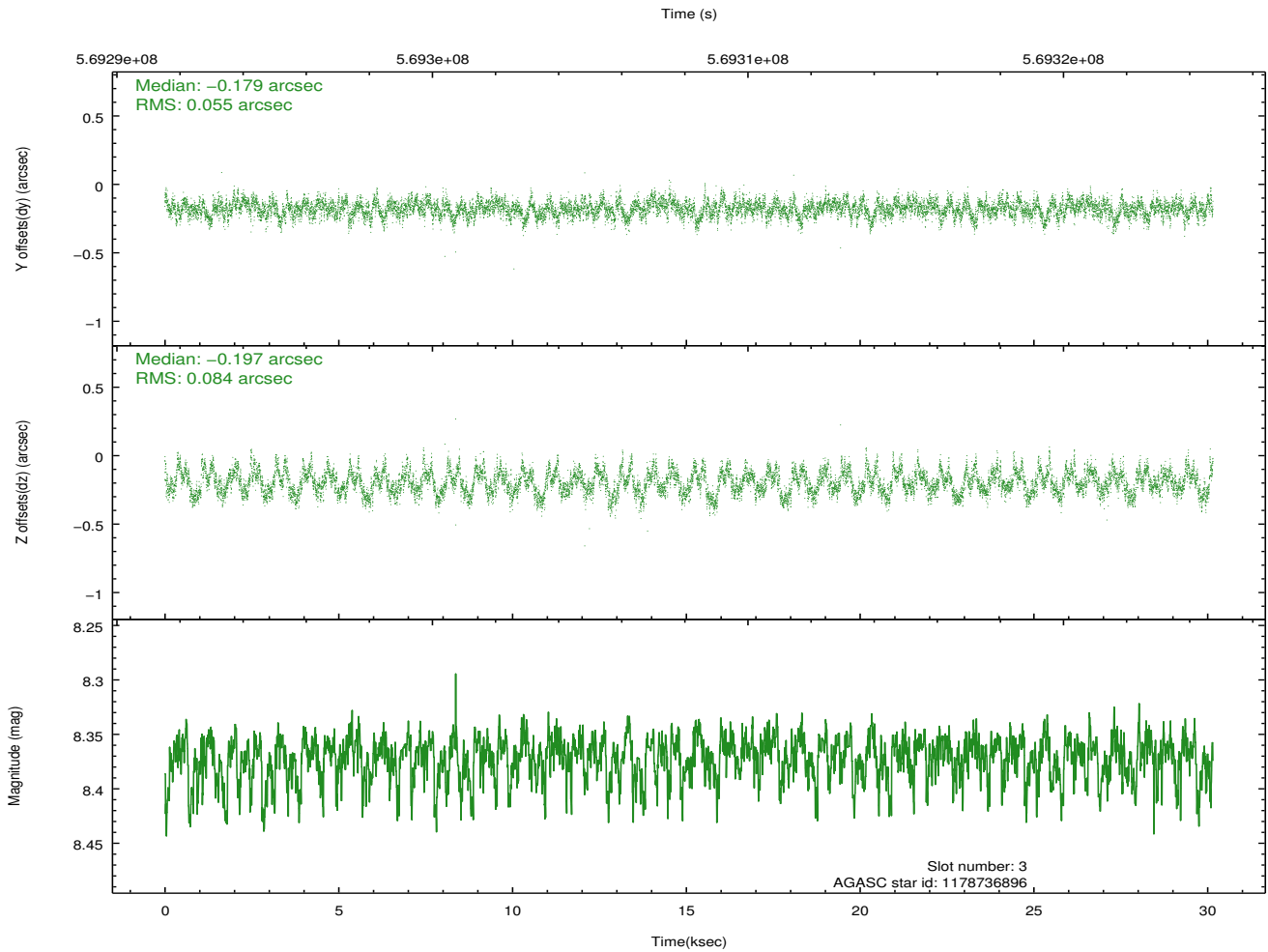
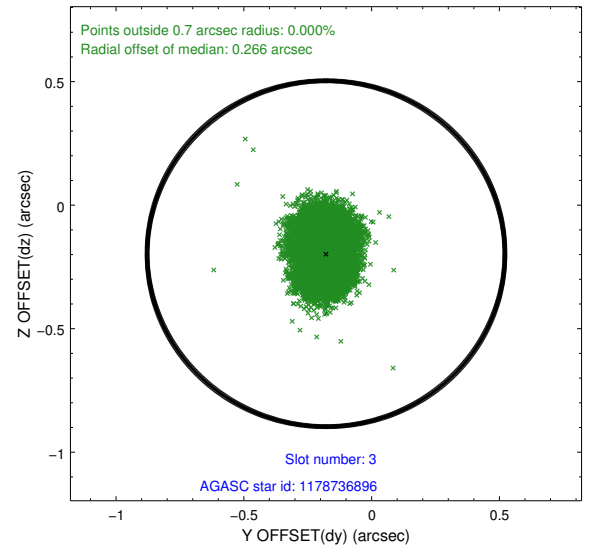
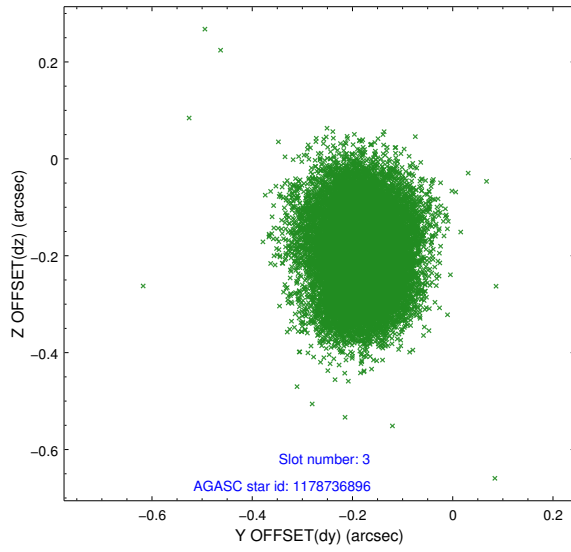


Slot Statistics

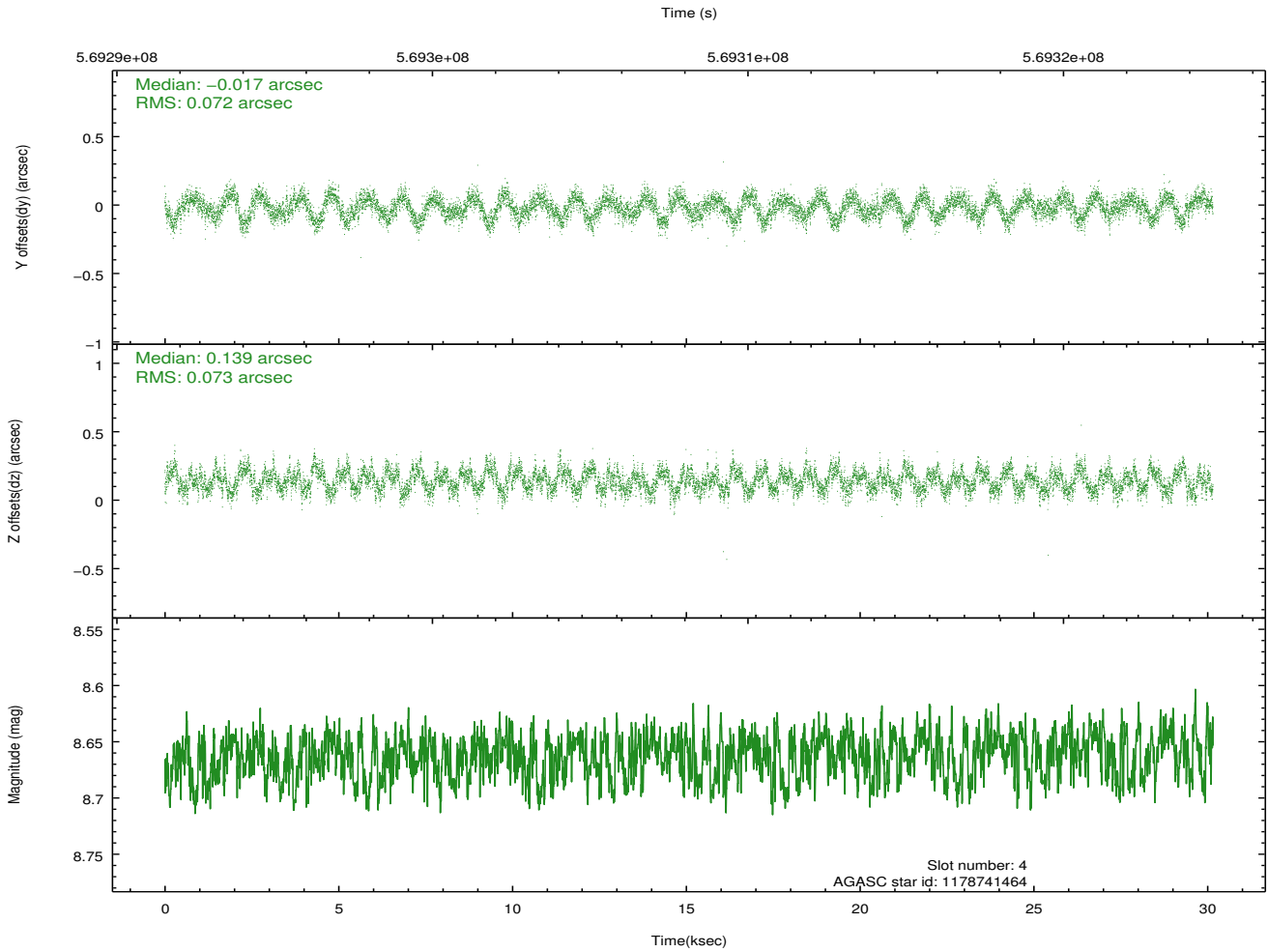
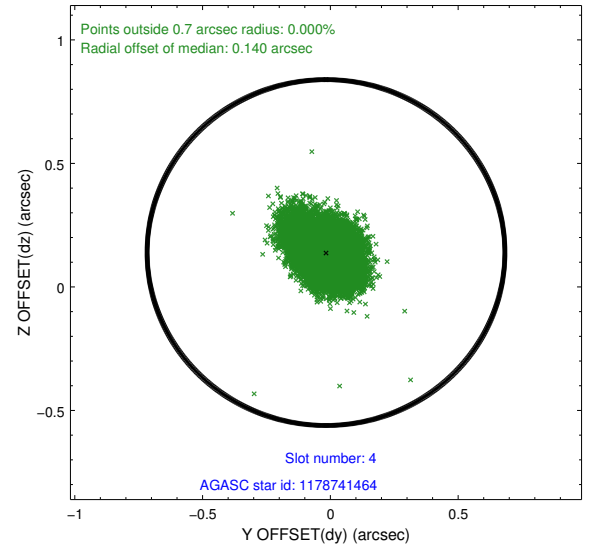
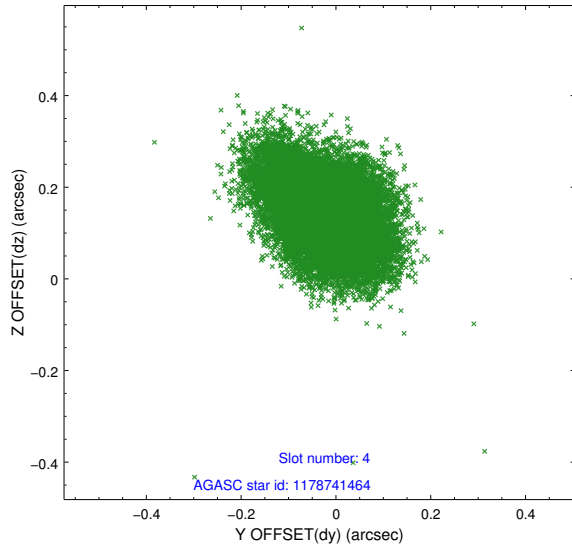
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.25	7354	-0.013	-0.023	0.033	0.052	0.000000	0.000000	925.32	-842.99
1	FID		ACIS-I-2	7.15	7355	-0.300	-0.132	0.039	0.051	0.000000	0.000000	-769.02	-849.50
2	FID		ACIS-I-4	7.20	7355	0.213	0.208	0.027	0.073	0.000000	0.000000	2145.49	1056.95
3	GUIDE	used	1178736896	8.37	14706	-0.179	-0.197	0.108	0.171	194.755483	-63.640622	219.82	1697.30
4	GUIDE	used	1178741464	8.66	14696	-0.017	0.139	0.109	0.175	196.205525	-63.491457	1491.94	-319.80
5	GUIDE	used	1179259632	7.80	14708	0.237	0.006	0.112	0.181	194.903869	-64.371399	-2178.48	591.41
6	GUIDE	used	1179266488	7.12	14710	0.334	0.290	0.088	0.141	196.258505	-64.441584	-1724.62	-1486.41
7	GUIDE	used	1178734856	8.20	14706	-0.391	-0.249	0.080	0.130	195.759625	-63.178913	2325.00	723.72

2.4 Star Slots

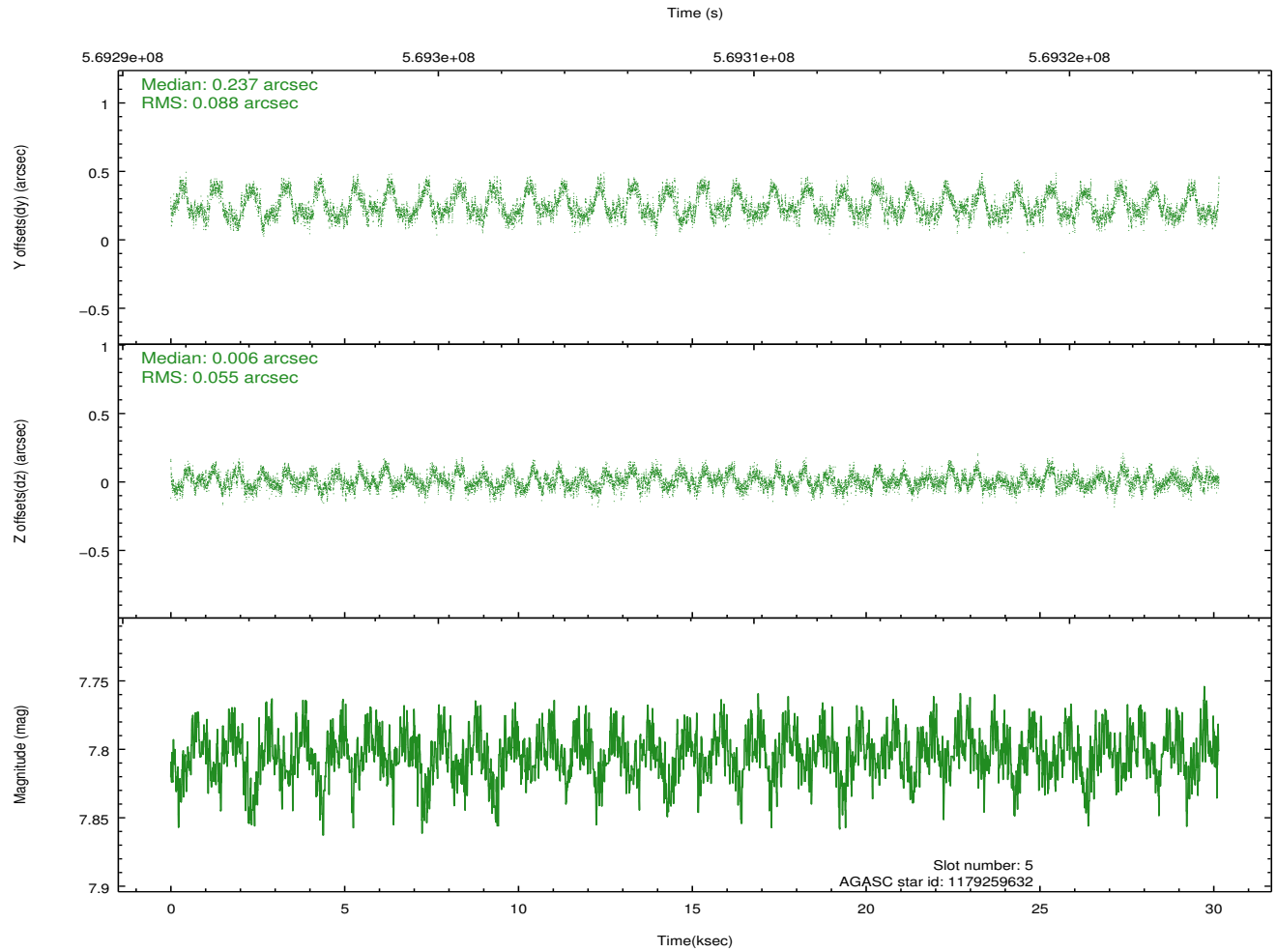
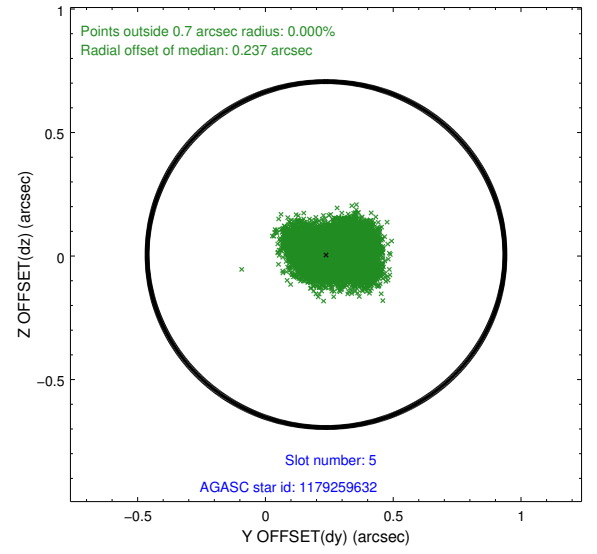
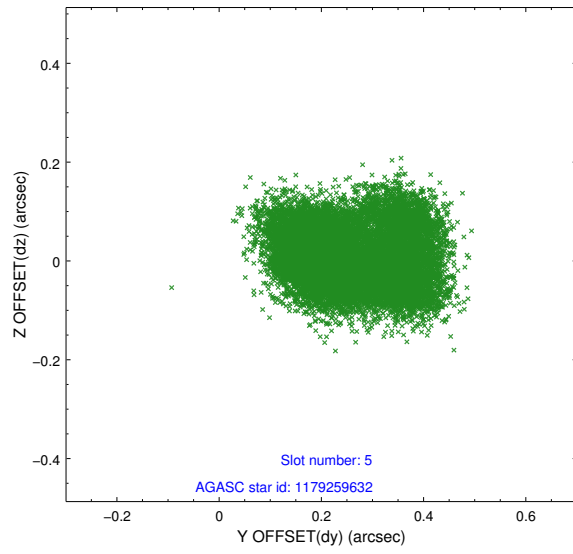
2.4.1 Slot 3



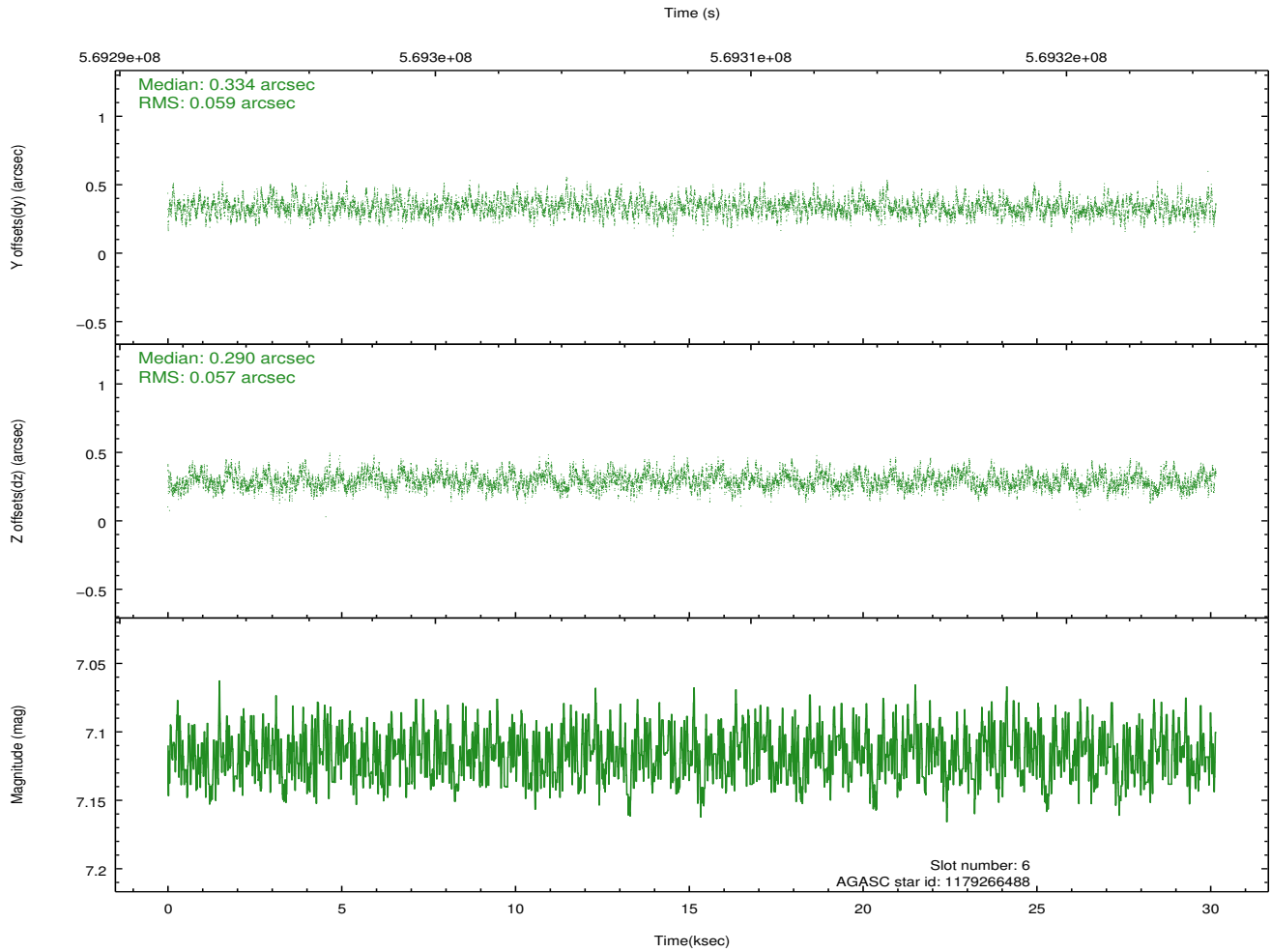
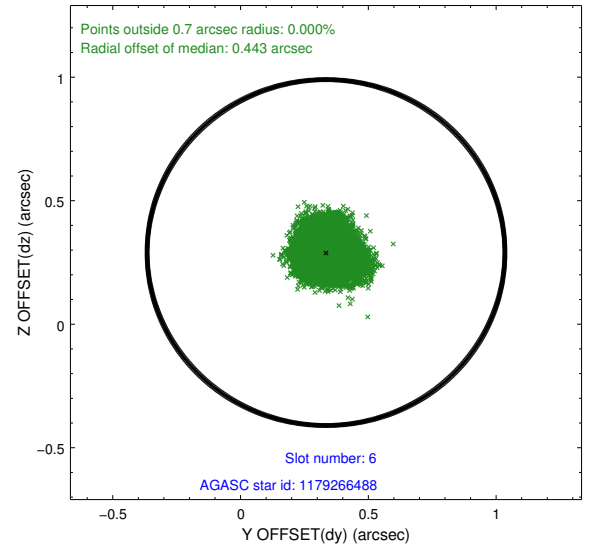
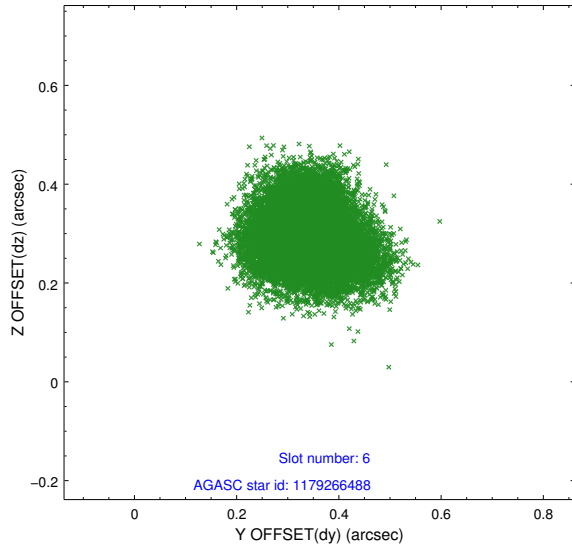
2.4.2 Slot 4



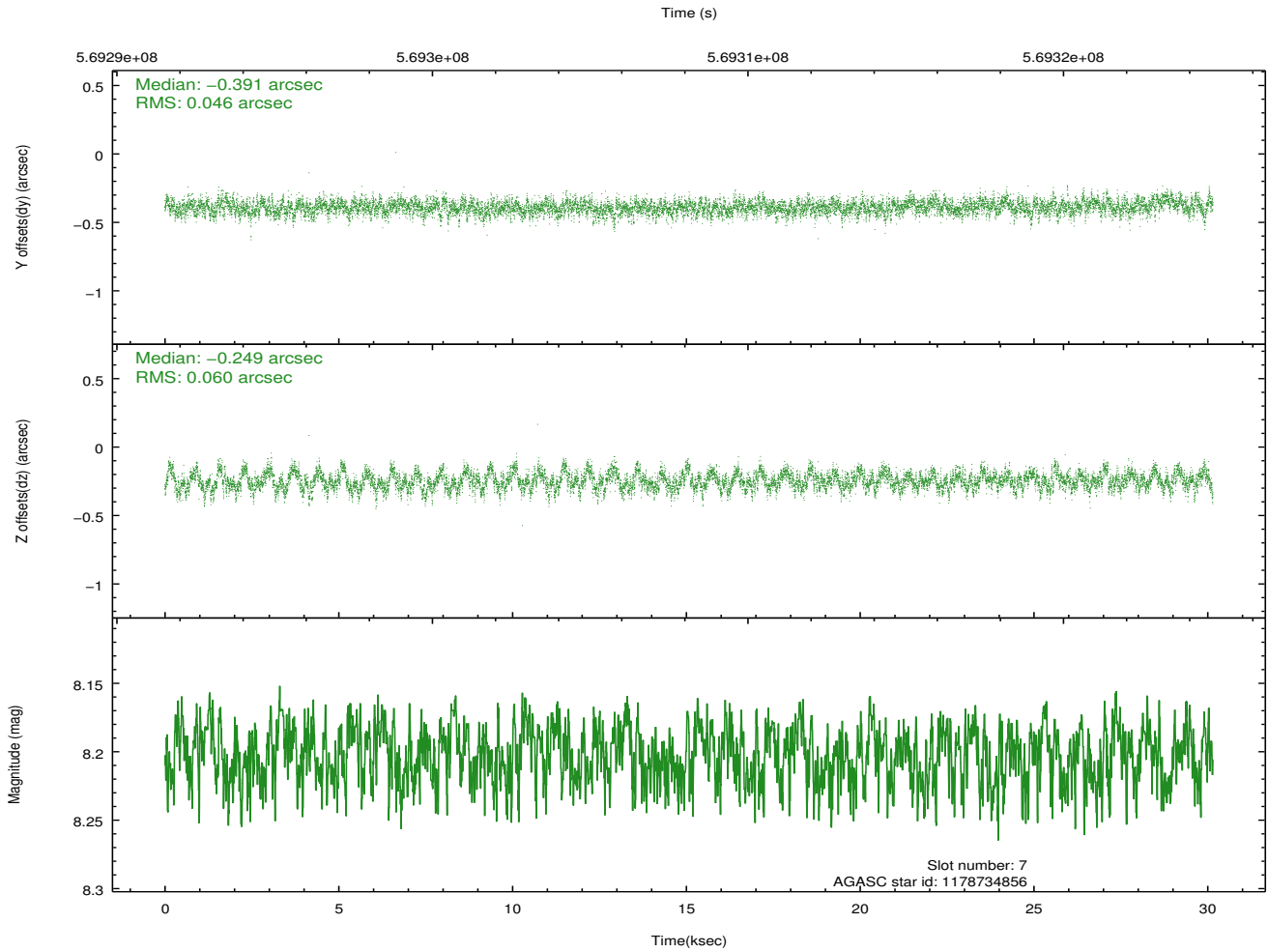
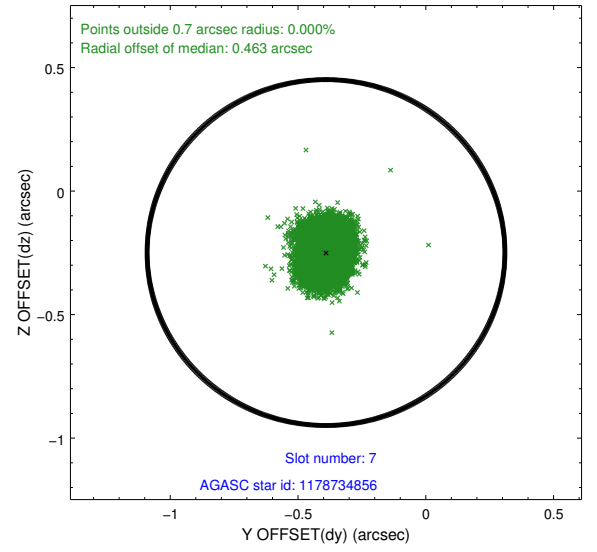
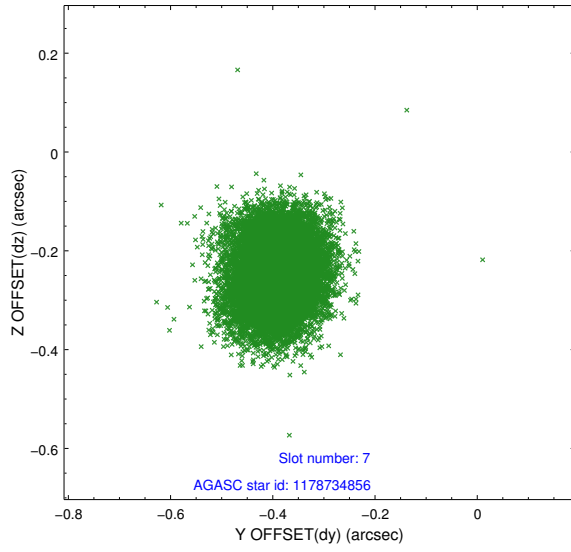
2.4.3 Slot 5



2.4.4 Slot 6

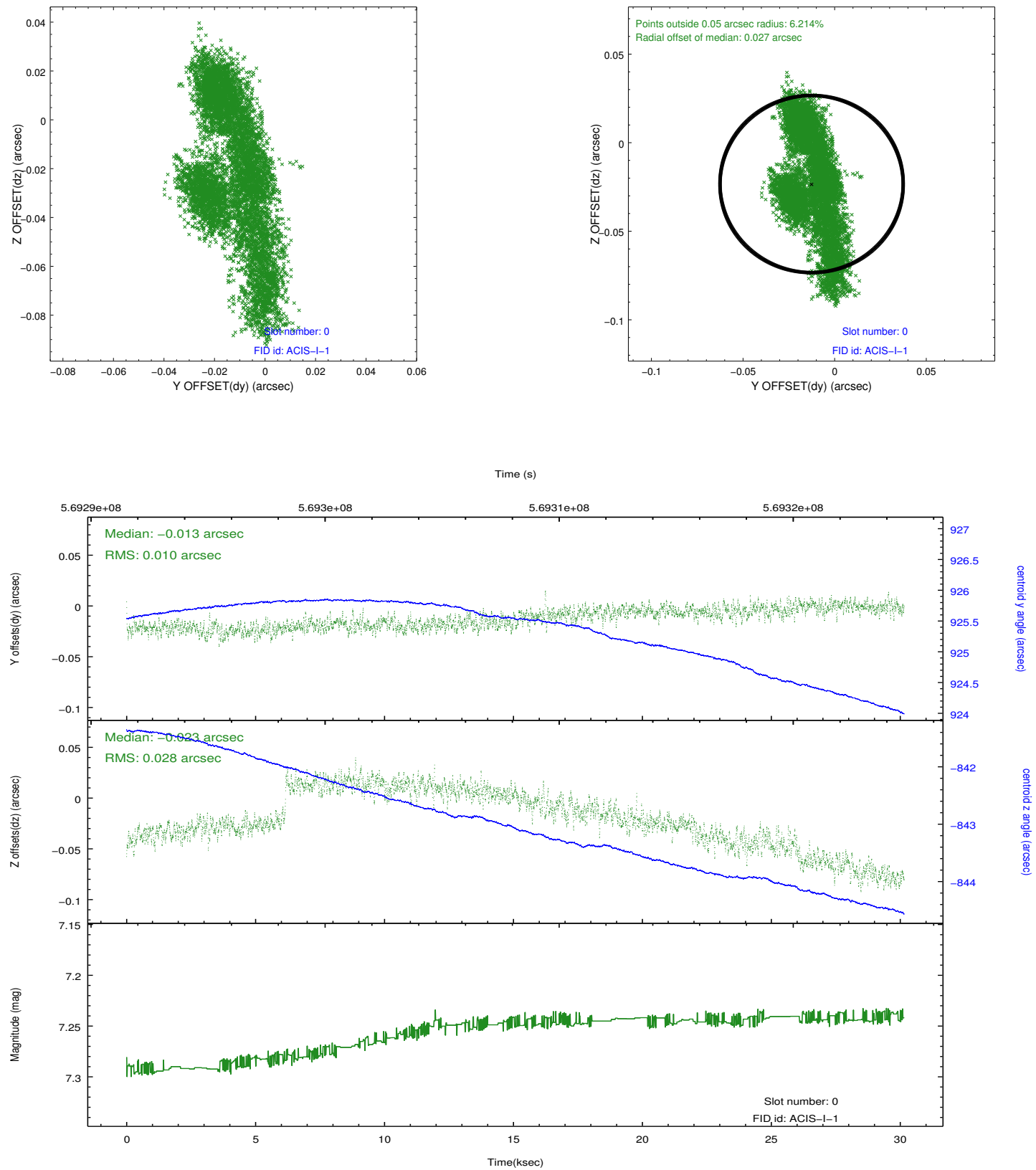


2.4.5 Slot 7

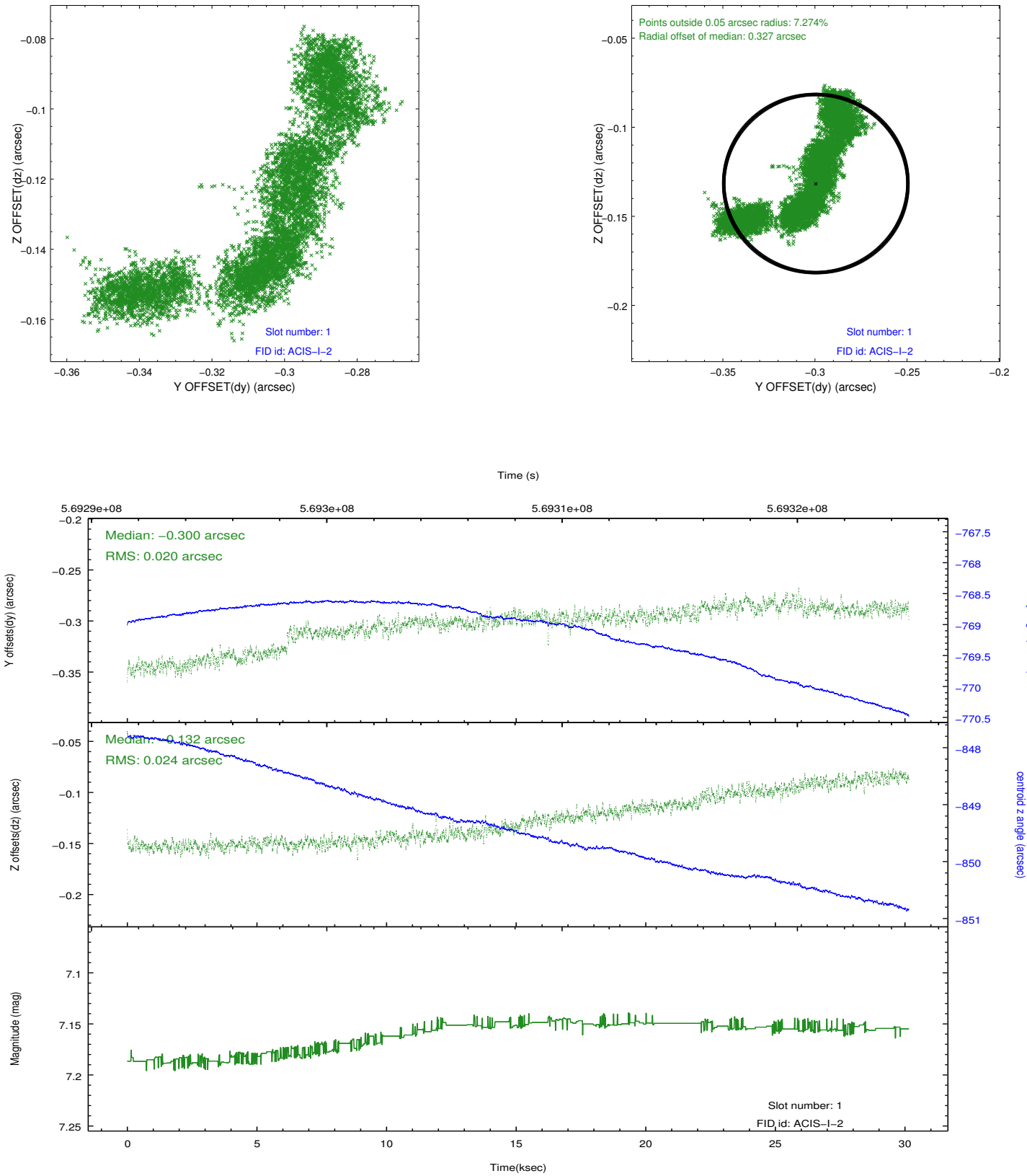


2.5 FID Slots

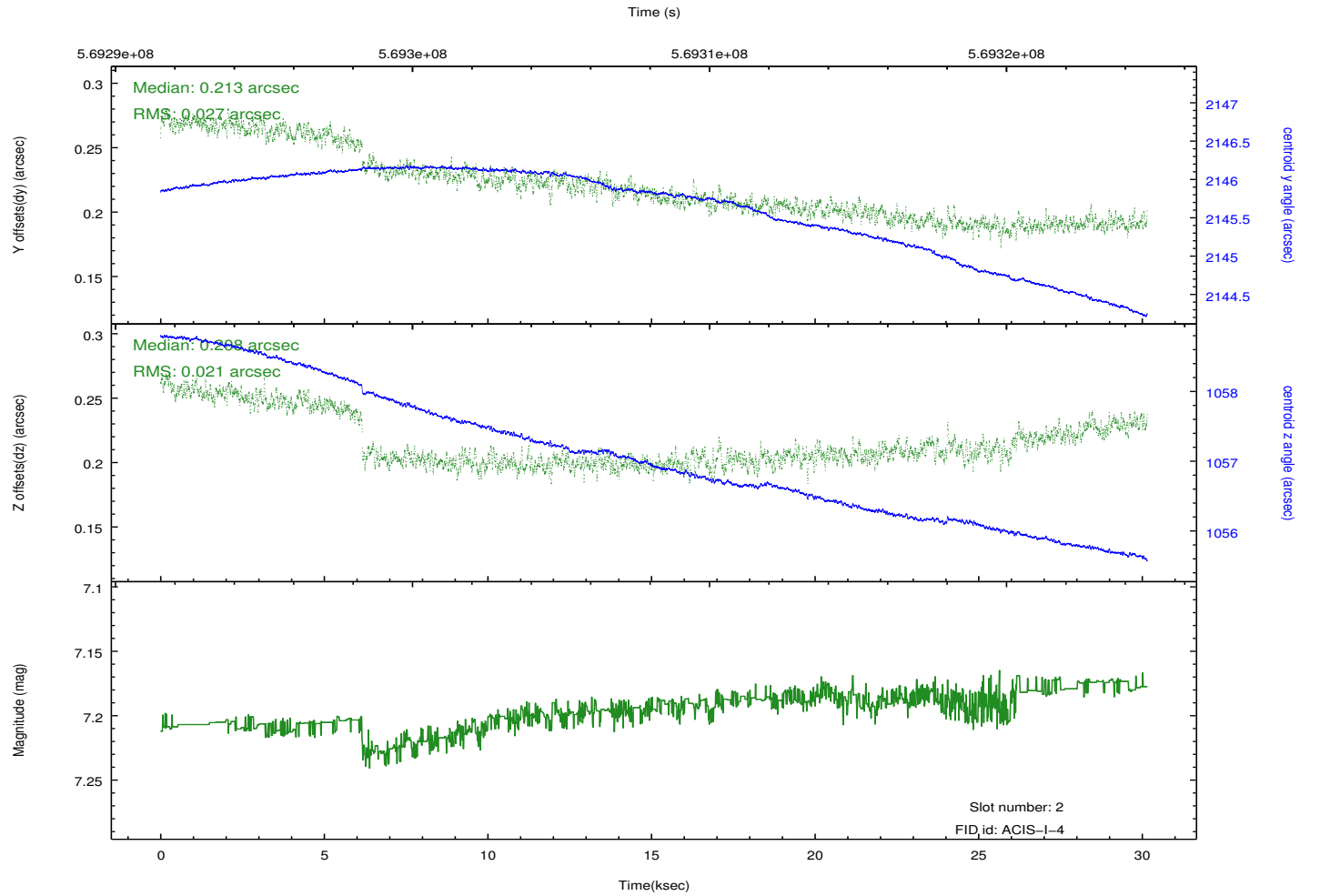
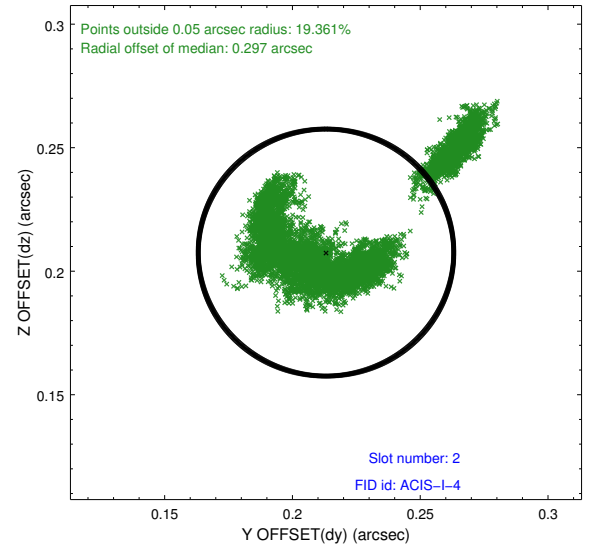
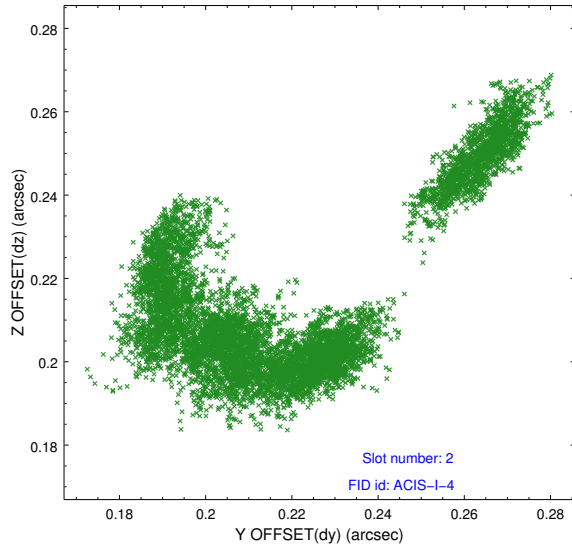
2.5.1 Slot 0



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)	2016.01.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.064584438801

A.2 Comments

Window preference met.