

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 16823 - L2 Version 1
Chandra X-Ray Center

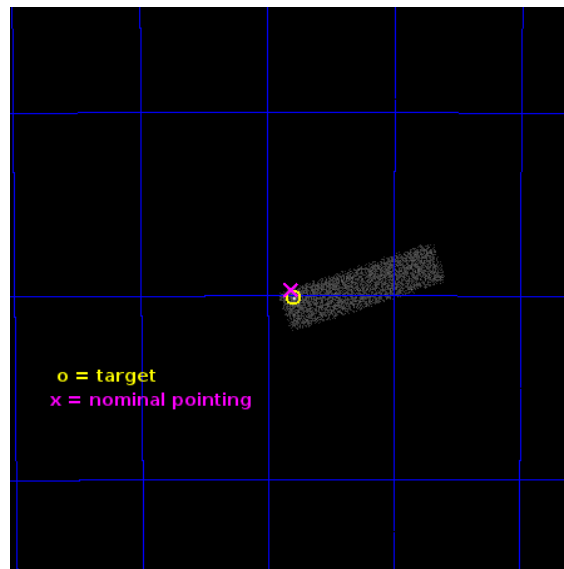
L2 Processing Date : Jan 12 2016

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

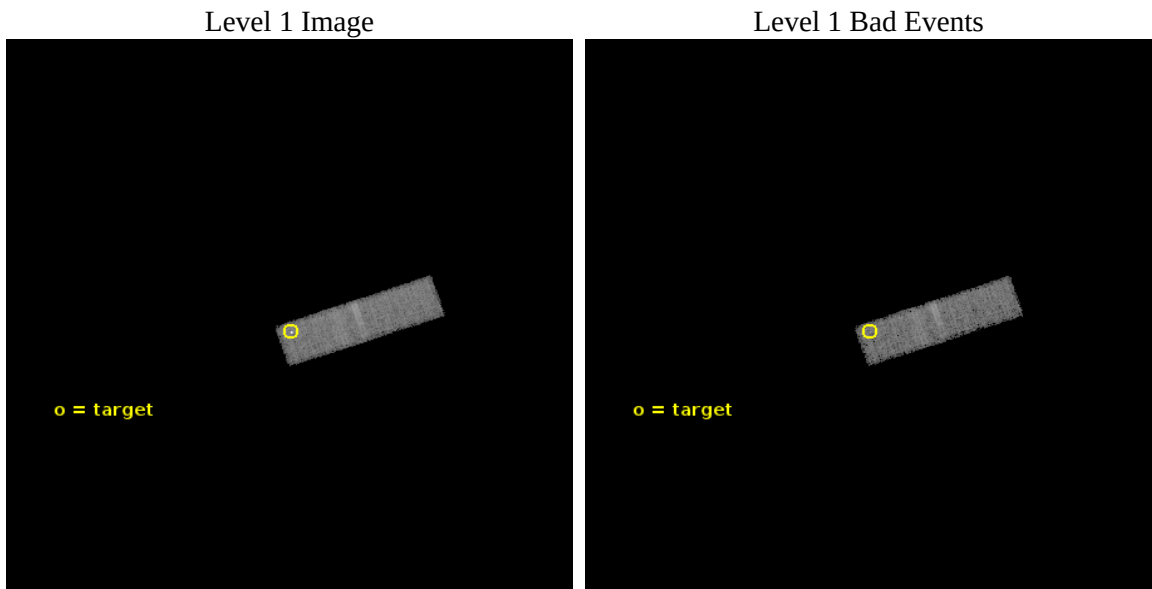
seq_num	502341	Sequence number
obs_id	16823	Observation id
title	The puzzling dynamic nebula powered by the pulsar B1259-63 in a high-mass binary	Proposal title
observer	Dr. George Pavlov	Principal investigator
object	PSR B1259-63	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	195.6988	Observer's specified target RA [deg]
dec_targ	-63.835614	Observer's specified target Dec [deg]
ra_nom	195.70285990796	Nominal RA [deg]
dec_nom	-63.828029329677	Nominal Dec [deg]
roll_nom	71.212342804522	Nominal Roll [deg]
revision	1	Processing version of data
ontime	34064.772676826	Sum of GTIs [s]
livetime	32402.523234876	Livetime [s]
ontime3	34064.772676826	Sum of GTIs [s]
l2events	8026	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	34000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3	Processing system revision	ontime	34064.772676826	Sum of GTIs [s]
caldsver	4.7.0	 	ontime3	34064.772676826	Sum of GTIs [s]
date	2016-01-13T02:26:54	Date and time of file creation	l1events	57336	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

	ccd 3
level 1 events	57336
rejected events	48413
rejected %	84%

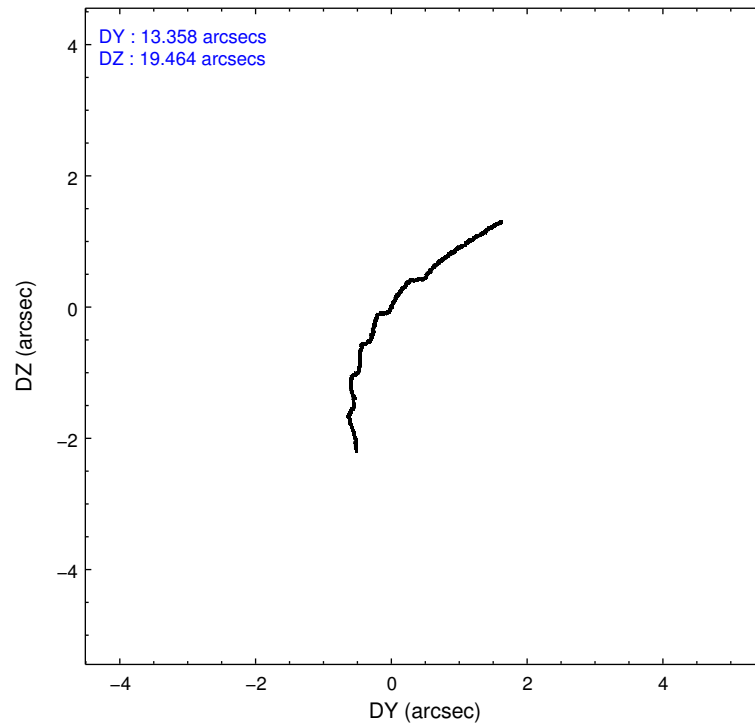
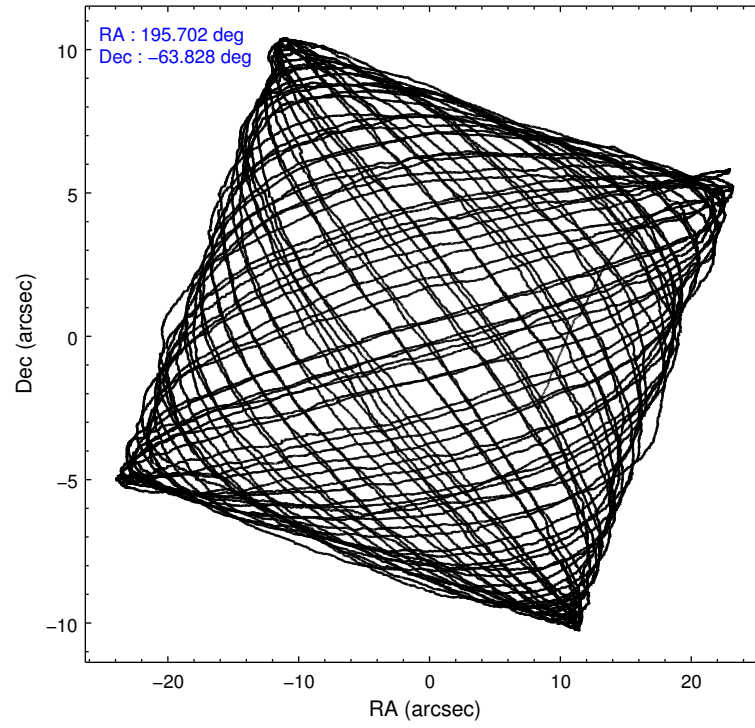
	ccd 3
grade 0 events	4218
	7%
grade 1 events	37
	0%
grade 2 events	1353
	2%
grade 3 events	1126
	1%
grade 4 events	1024
	1%
grade 5 events	2171
	3%
grade 6 events	1202
	2%
grade 7 events	46205
	80%

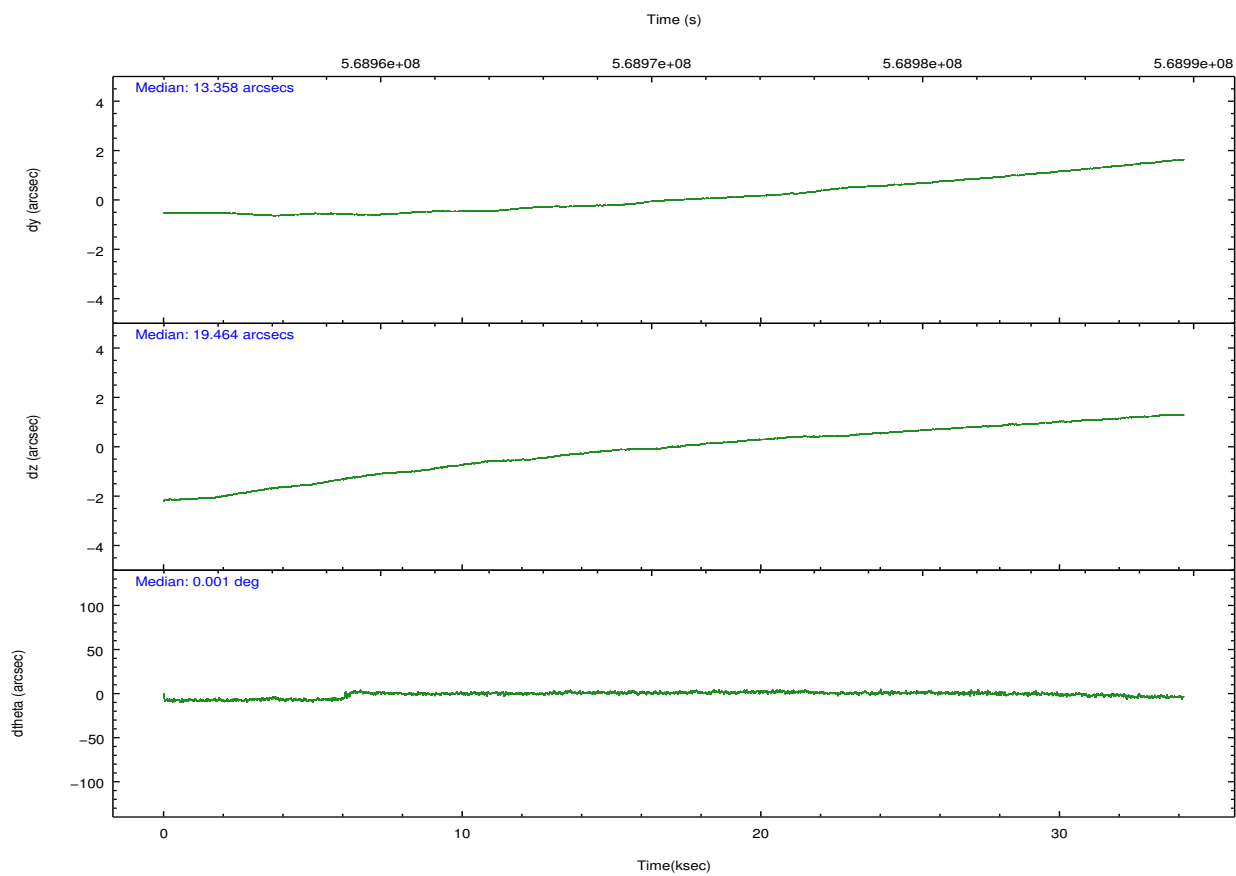
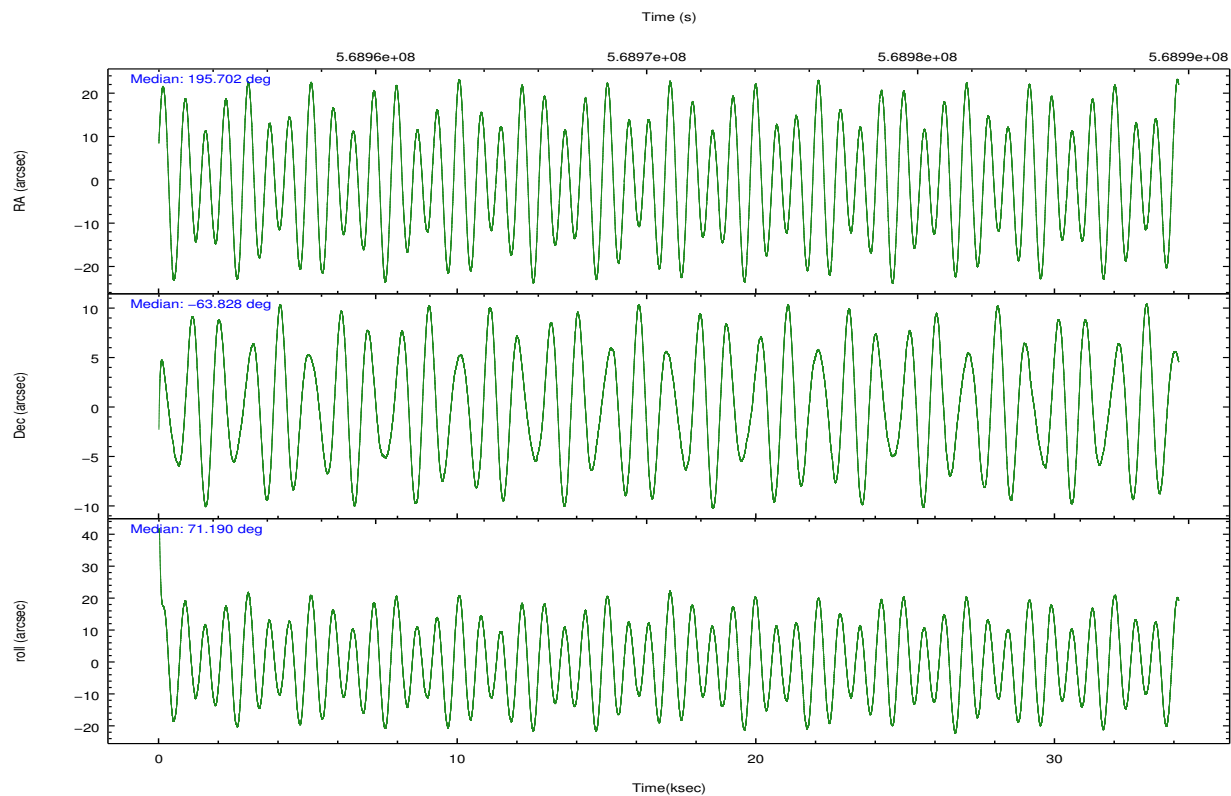
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-3	ACIS-3
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	195.715233	195.7028599079613
[deg] Pointing Dec	-63.855087	-63.82802932967673
[deg] Pointing Roll	71.014750	71.21234280452177
[s] Window start time (MET)	566092868.184000	566092868.184000
[s] Window stop time (MET)	569635268.184000	569635268.184000
[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)	568953887.184000	568952823.8068
Observation start date	2016-01-12T02:43:39	2016-01-12T02:27:03
[s] Observation end time (MET)	568987887.184000	568989045.25885
Observation end date	2016-01-12T12:10:19	2016-01-12T12:30:45
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/4
Subarray start row	769	769
Subarray row count	256	256
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.8

2.3 Aspect



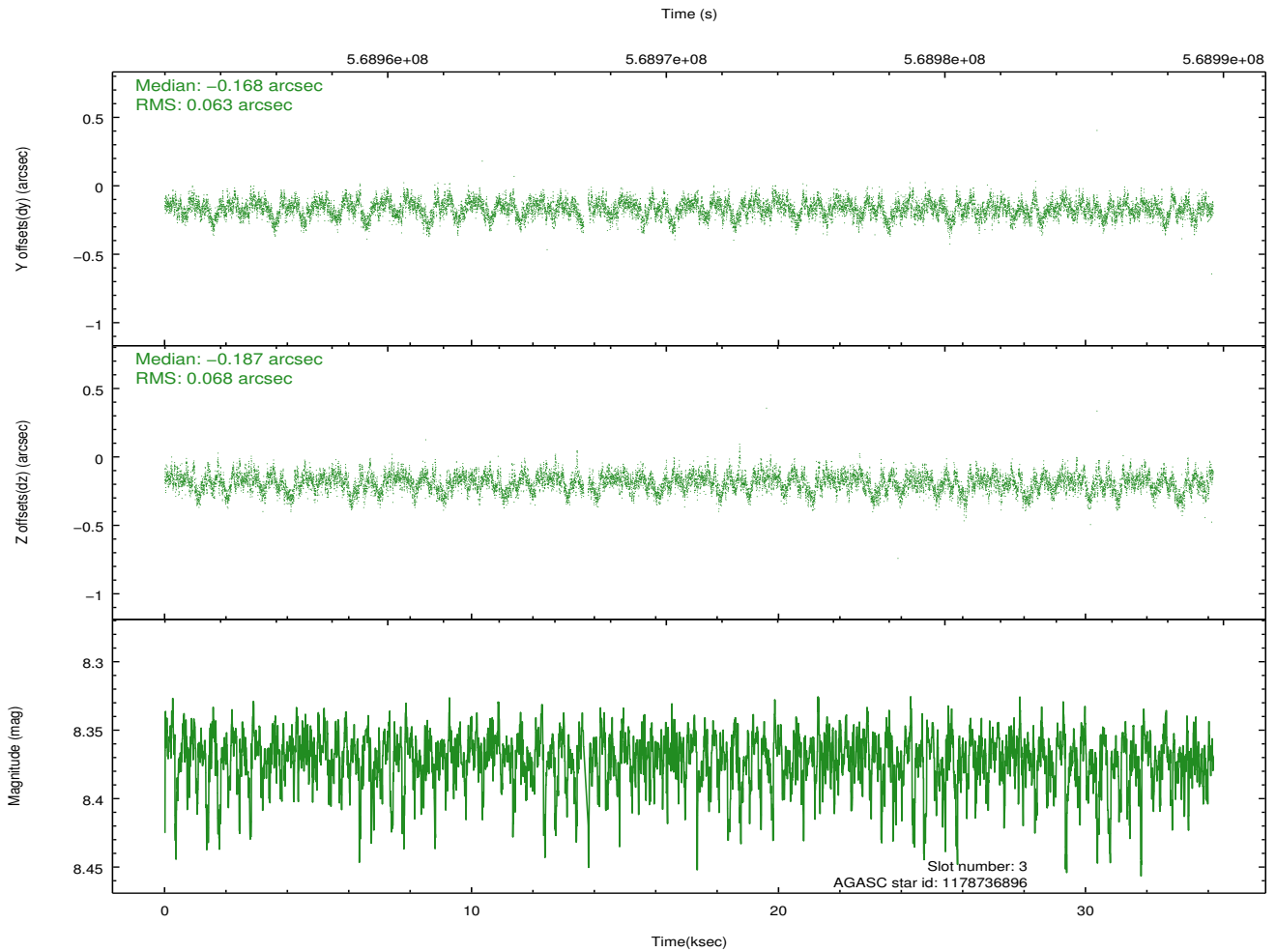
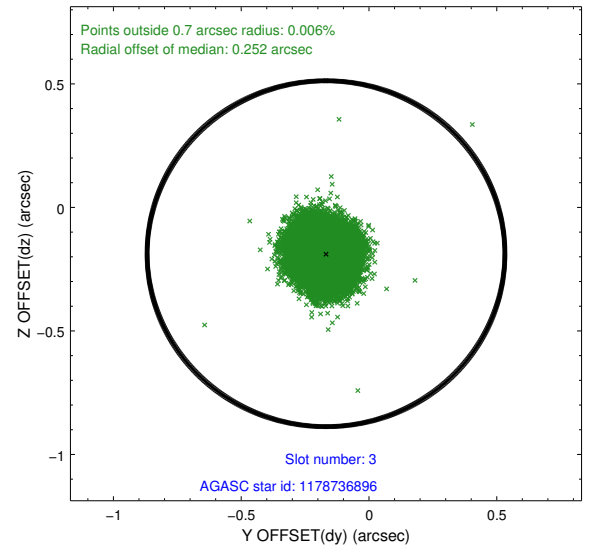
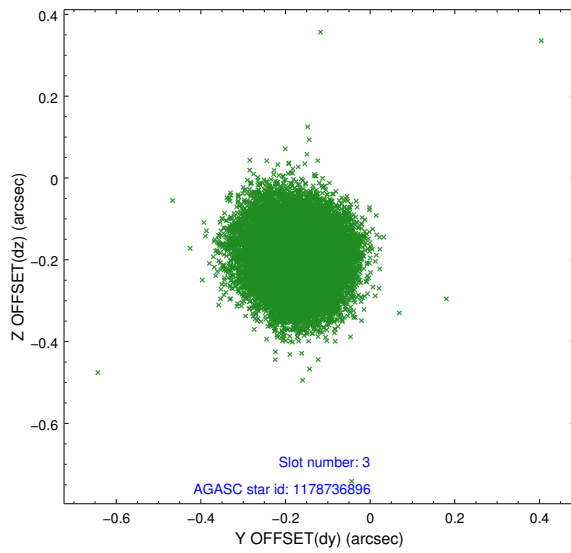


Slot Statistics

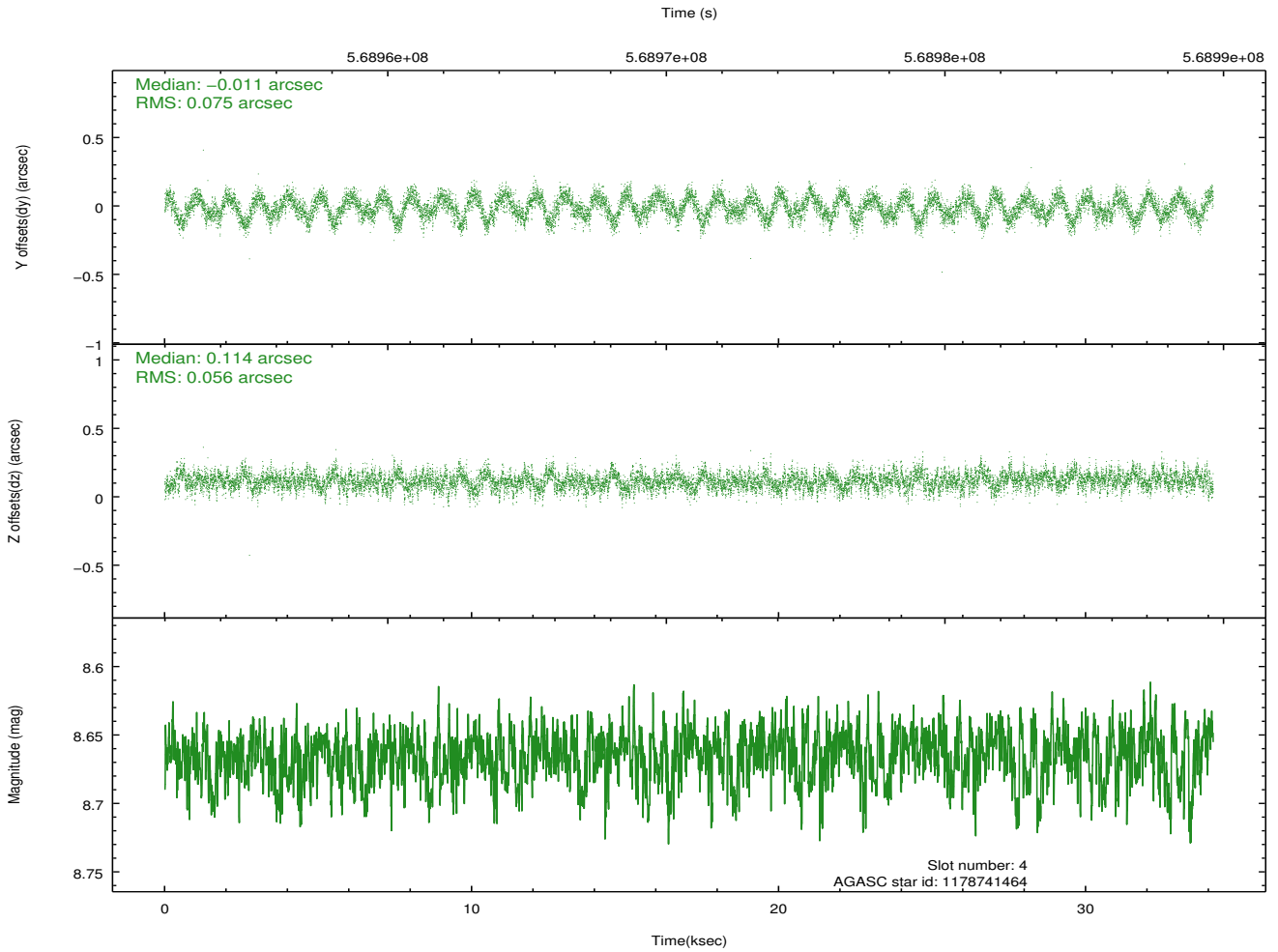
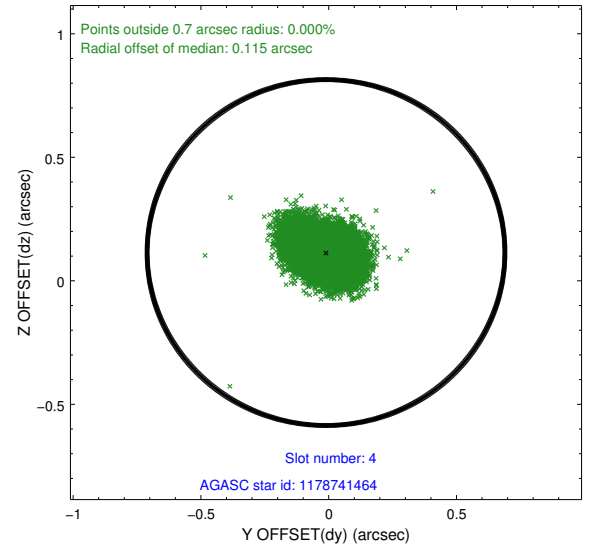
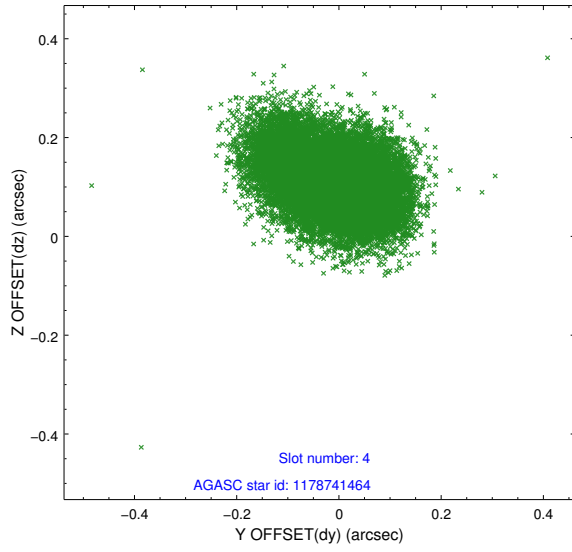
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.24	8328	-0.017	-0.023	0.040	0.058	0.000000	0.000000	925.93	-843.08
1	FID		ACIS-I-2	7.15	8328	-0.281	-0.123	0.031	0.042	0.000000	0.000000	-768.41	-849.55
2	FID		ACIS-I-4	7.19	8326	0.198	0.198	0.025	0.069	0.000000	0.000000	2146.11	1056.87
3	GUIDE	used	1178736896	8.37	16585	-0.168	-0.187	0.100	0.158	194.755483	-63.640622	219.75	1697.37
4	GUIDE	used	1178741464	8.66	16643	-0.011	0.114	0.100	0.159	196.205525	-63.491457	1491.89	-319.76
5	GUIDE	used	1179259632	7.80	16658	0.218	0.024	0.108	0.175	194.903869	-64.371399	-2178.56	591.50
6	GUIDE	used	1179266488	7.12	16657	0.317	0.268	0.089	0.142	196.258505	-64.441584	-1724.66	-1486.38
7	GUIDE	used	1178734856	8.20	16652	-0.374	-0.218	0.091	0.141	195.759625	-63.178913	2324.97	723.85

2.4 Star Slots

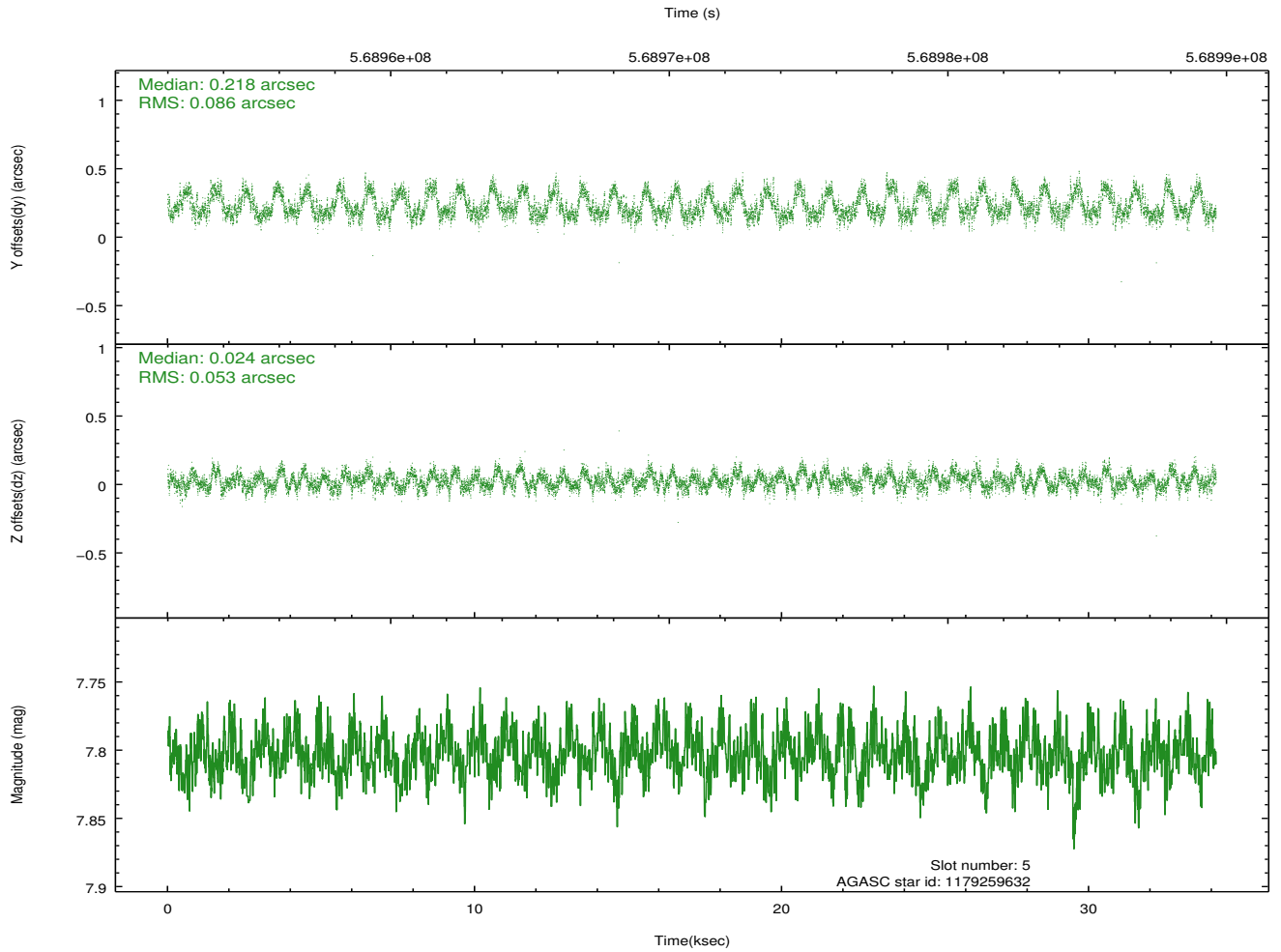
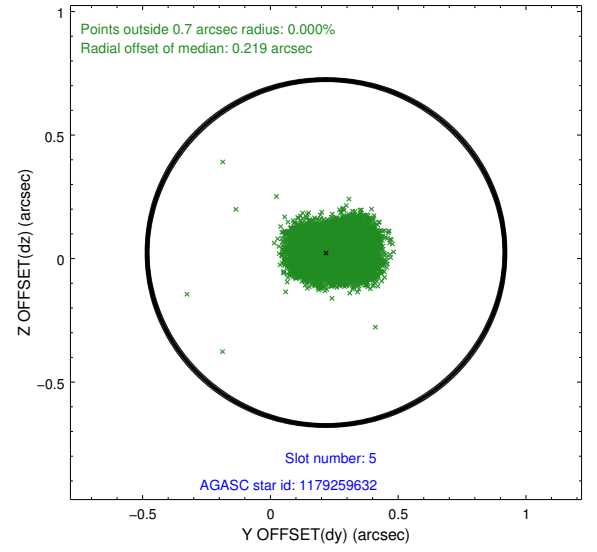
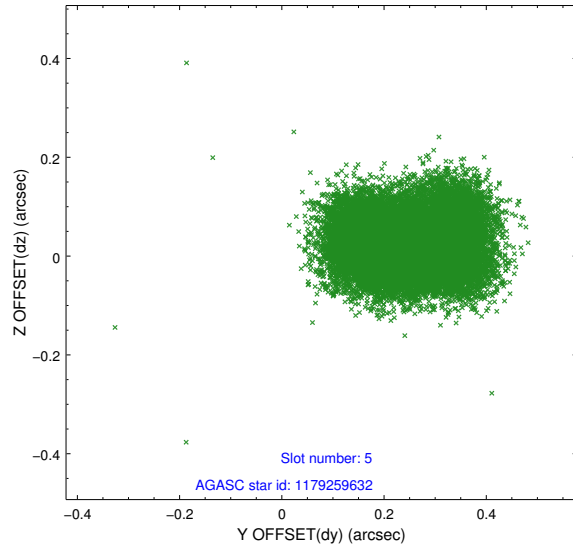
2.4.1 Slot 3



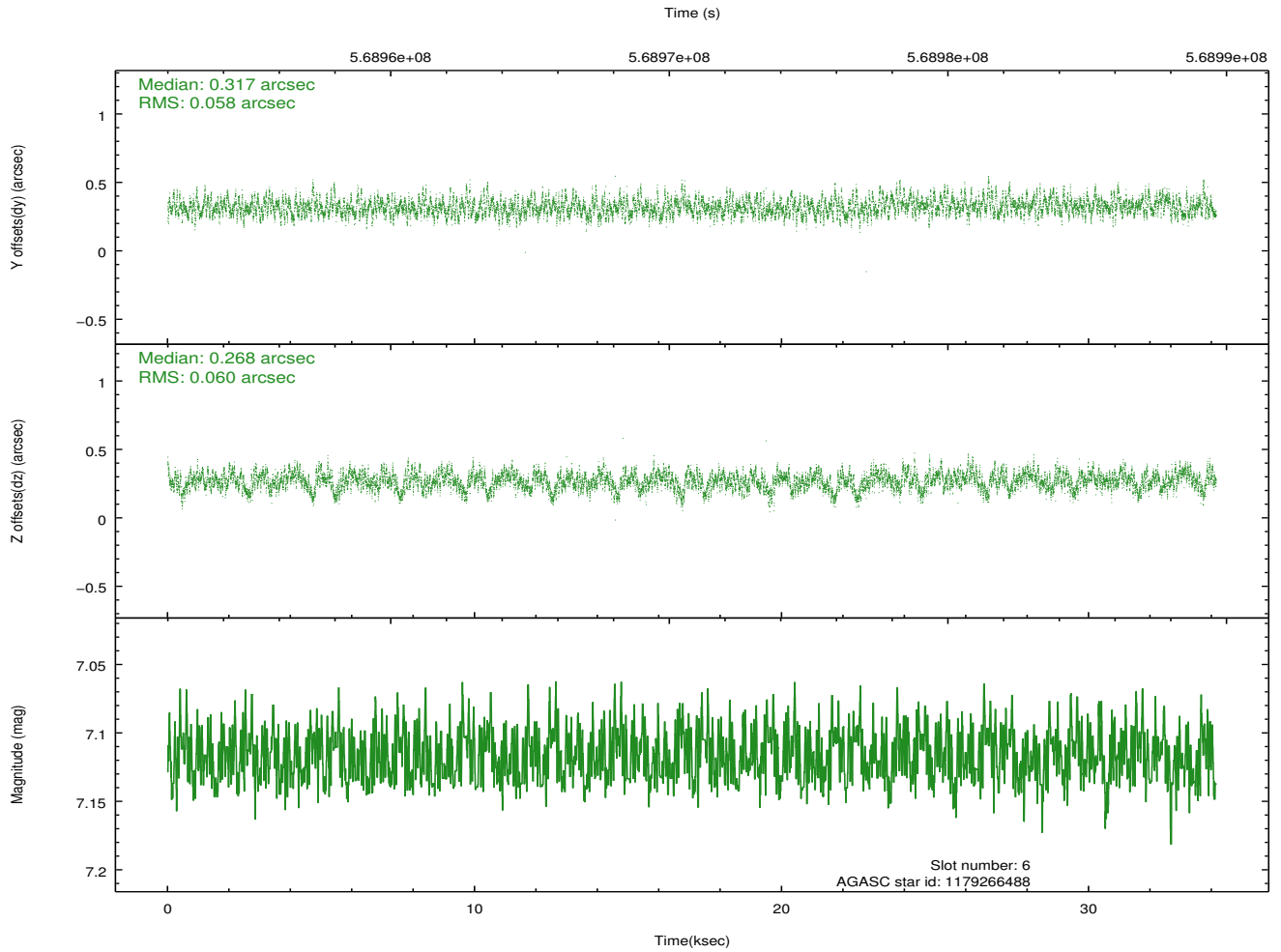
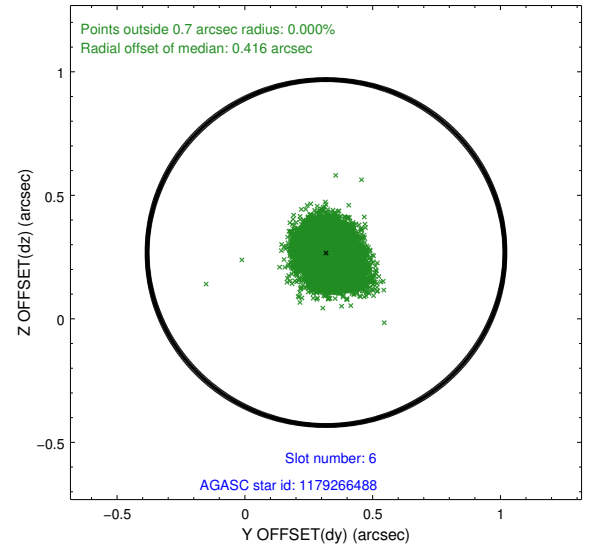
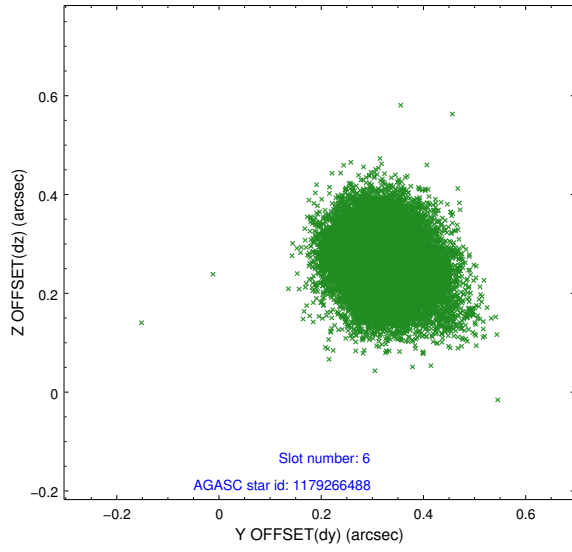
2.4.2 Slot 4



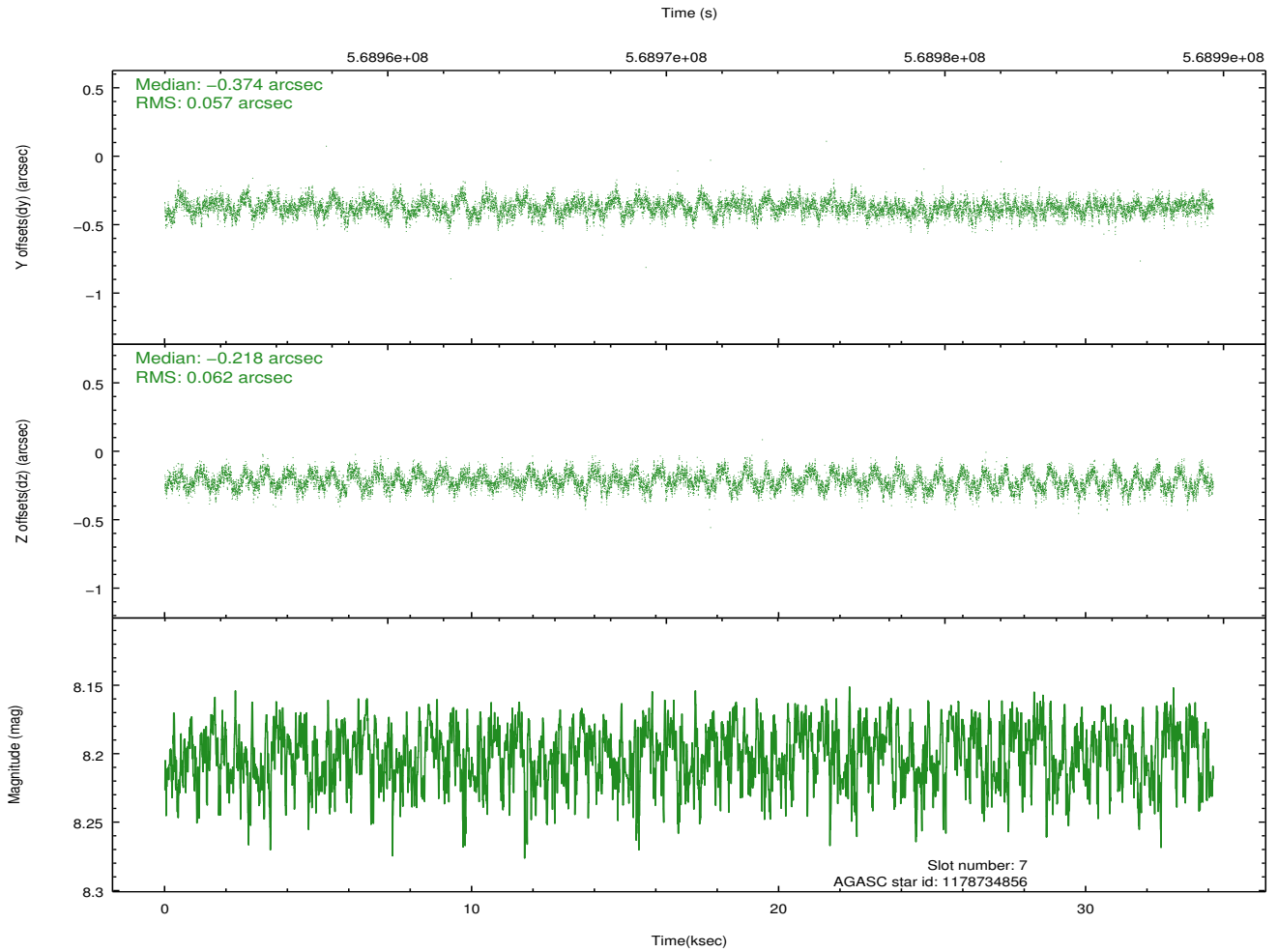
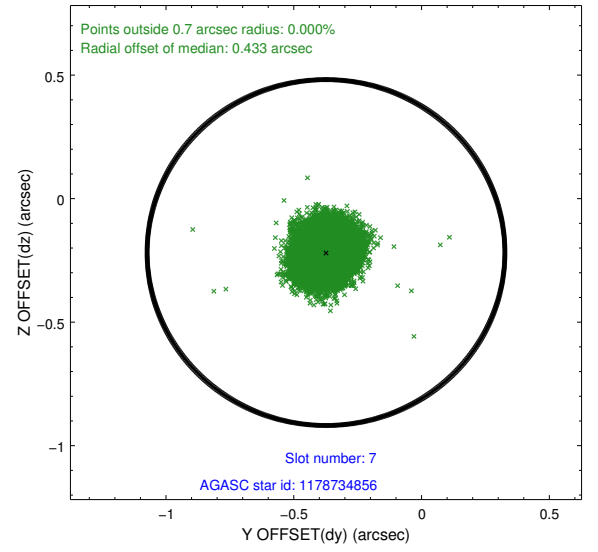
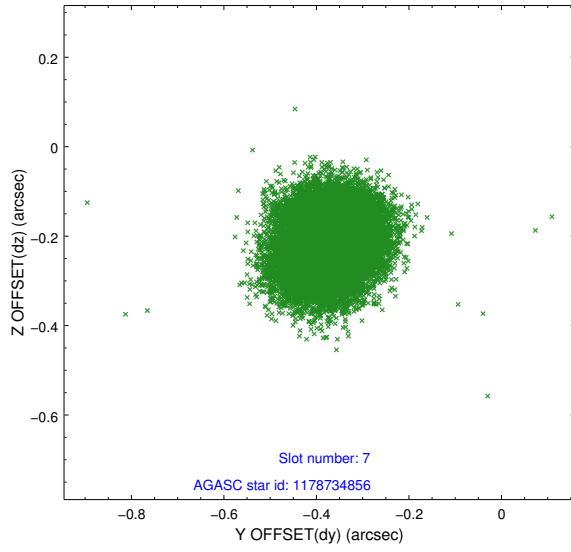
2.4.3 Slot 5



2.4.4 Slot 6

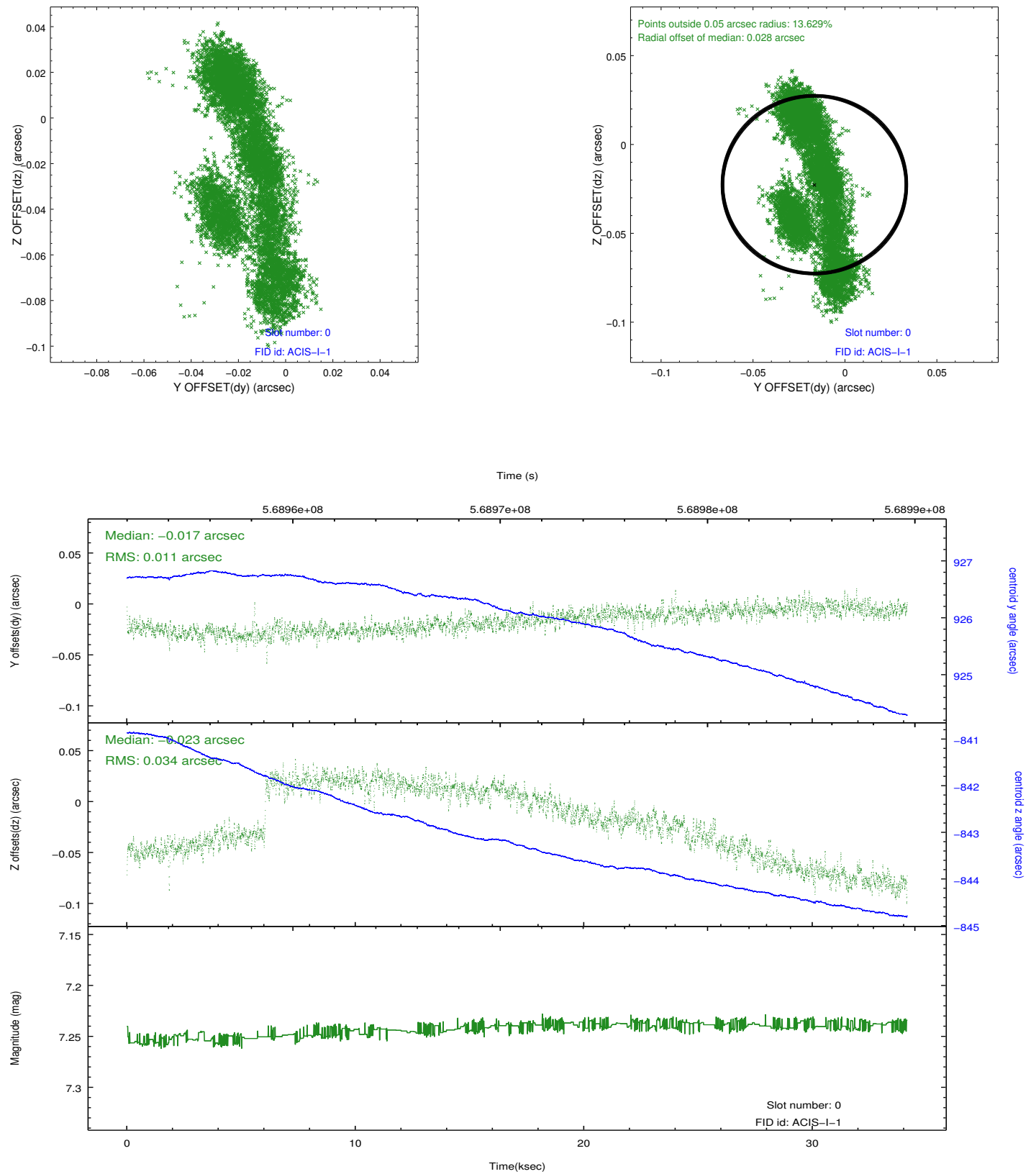


2.4.5 Slot 7

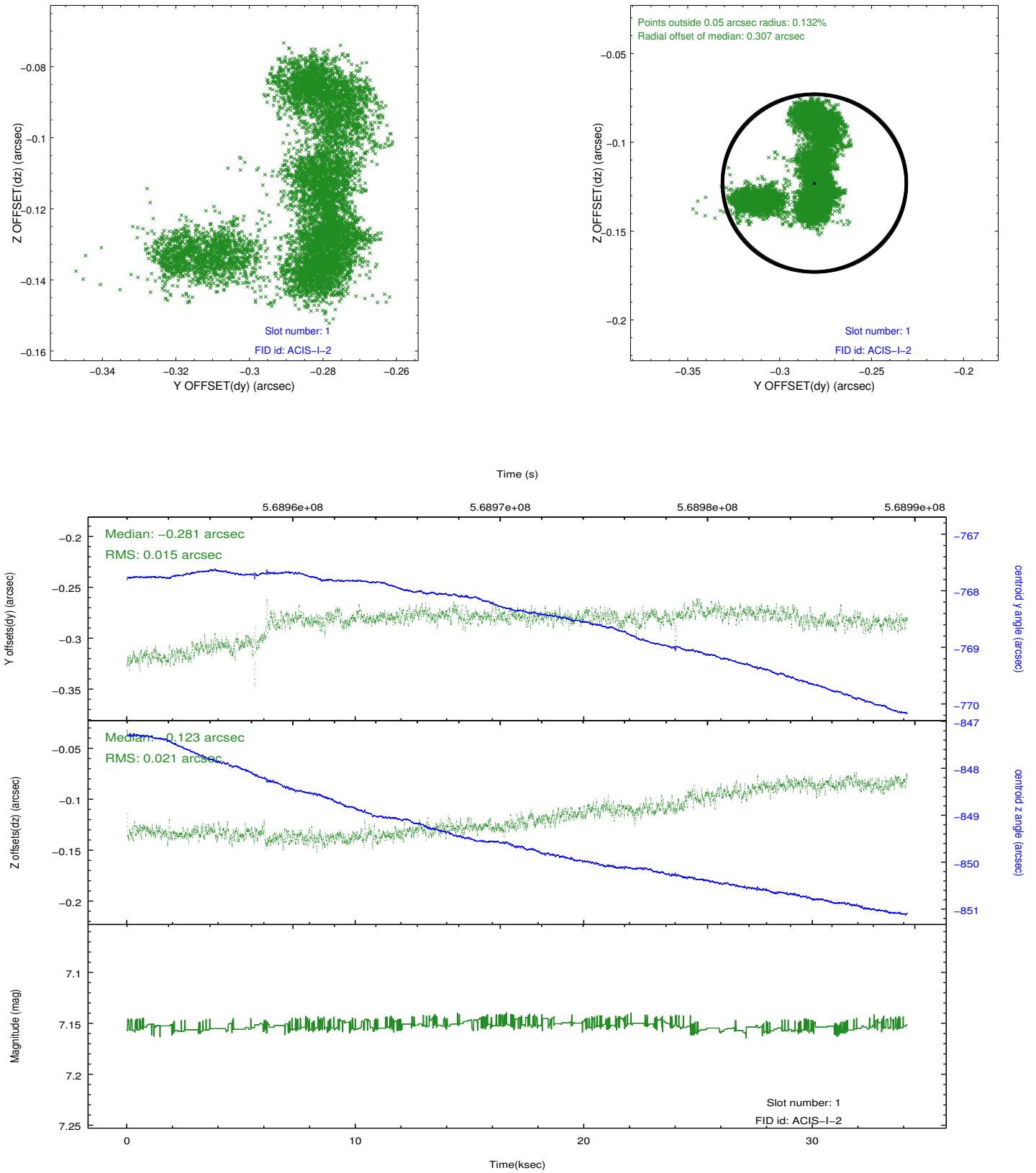


2.5 FID Slots

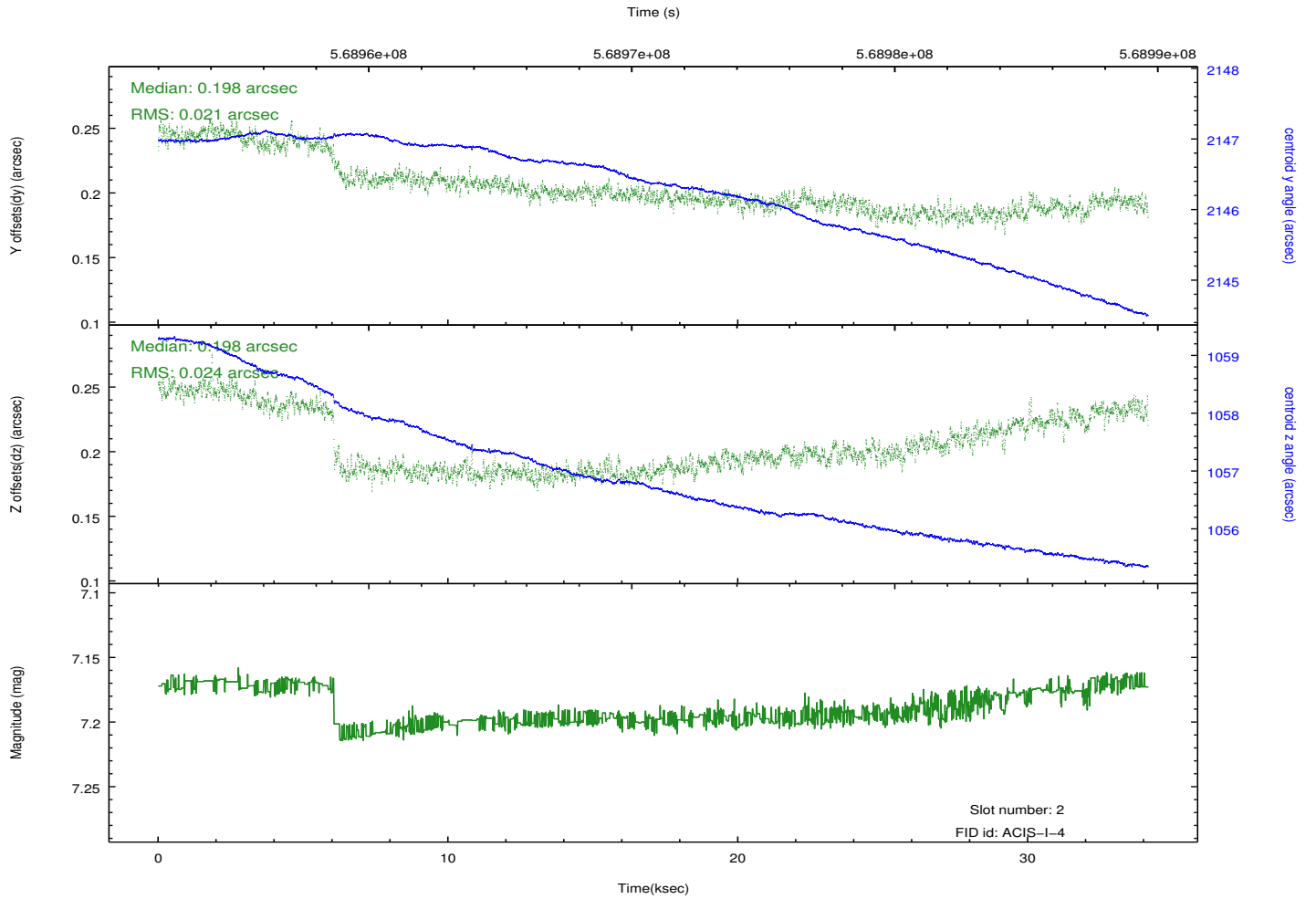
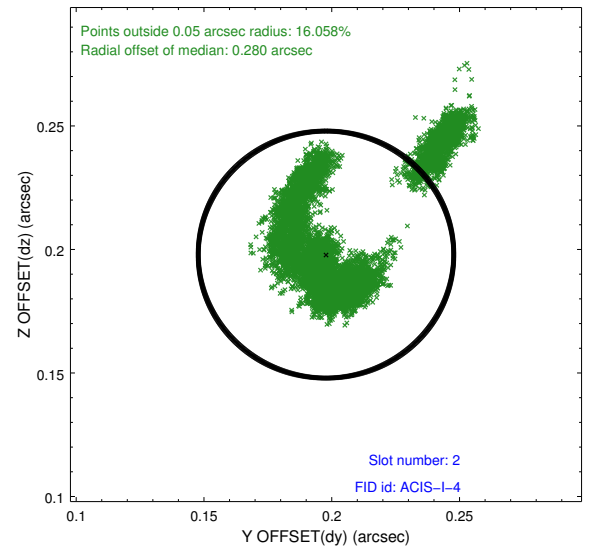
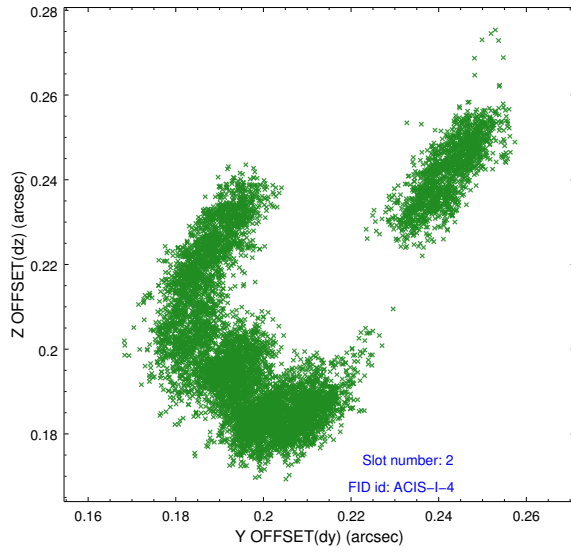
2.5.1 Slot 0



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)	2016.01.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	34.064772676826

A.2 Comments

Time constraint met.