

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 17088 - L2 Version 1
Chandra X-Ray Center

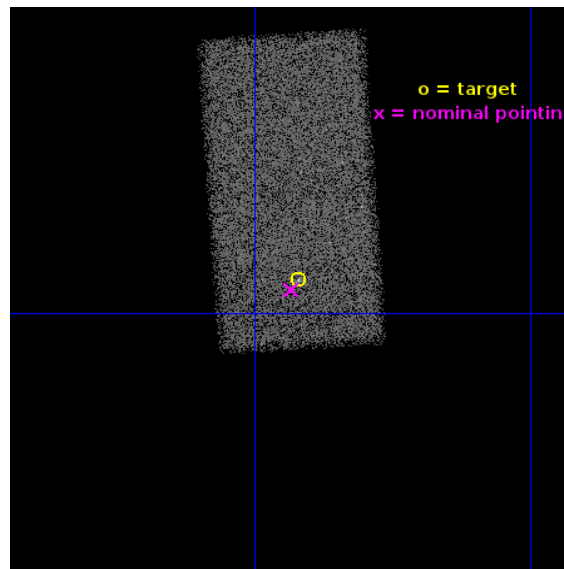
L2 Processing Date : Nov 3 2015

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

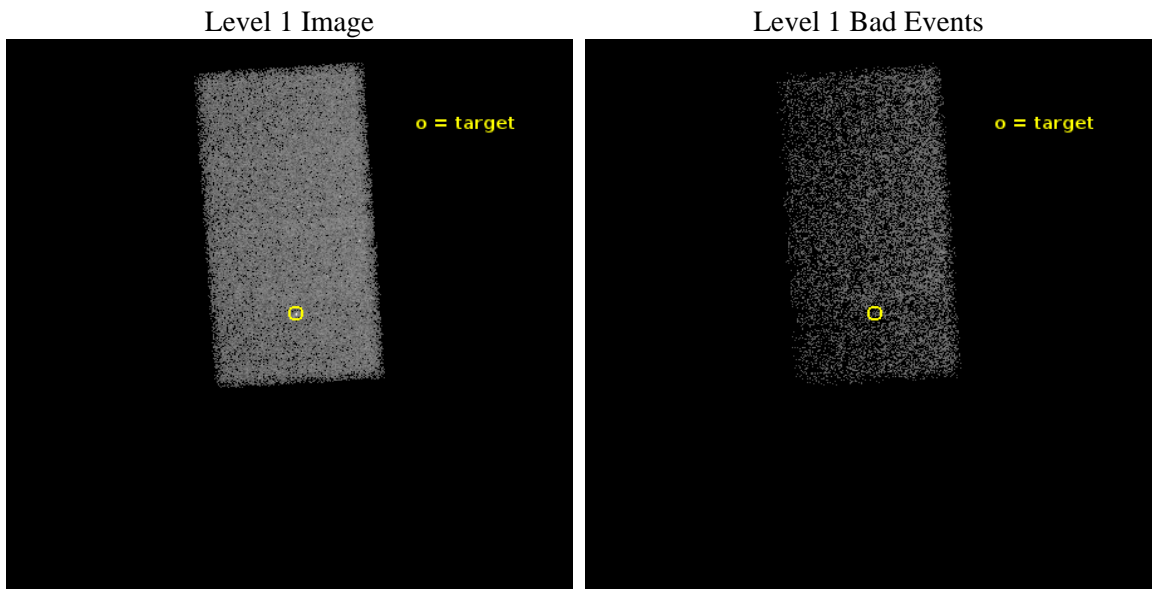
seq_num	703092	Sequence number
obs_id	17088	Observation id
title	Solving the X-ray Origin Problem in Large-scale Jets with Chandra and Fermi Observations	Proposal title
observer	Dr Eileen Meyer	Principal investigator
object	3c 9	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	5.105	Observer's specified target RA [deg]
dec_targ	15.681944	Observer's specified target Dec [deg]
ra_nom	5.1082552105222	Nominal RA [deg]
dec_nom	15.677491259299	Nominal Dec [deg]
roll_nom	266.15574612215	Nominal Roll [deg]
revision	1	Processing version of data
ontime	34718.324070454	Sum of GTIs [s]
livetime	33793.727681099	Livetime [s]
ontime7	34718.324070454	Sum of GTIs [s]
l2events	50821	Number of level 2 events



2 OBI

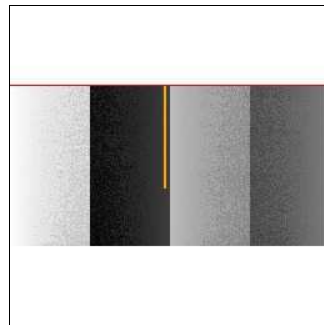
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	34650.000000	[s] Scheduled observation exposure time
ascdsver	10.4.2.1	Processing system revision	ontime	34718.324070454	Sum of GTIs [s]
caldbver	4.6.10a	 	ontime7	34718.324070454	Sum of GTIs [s]
date	2015-11-03T04:59:26	Date and time of file creation	l1events	103974	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

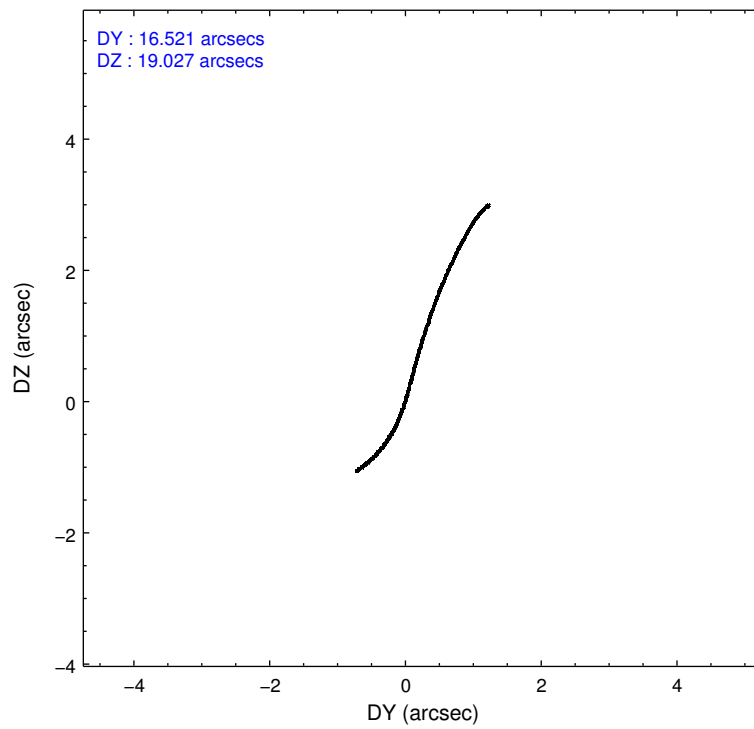
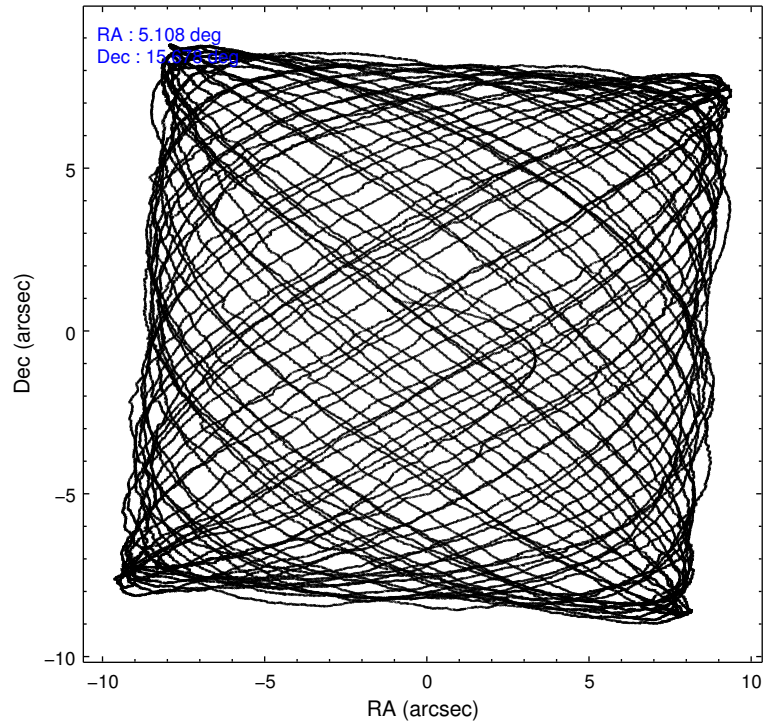
	ccd 7
level 1 events	103974
rejected events	51624
rejected %	49%

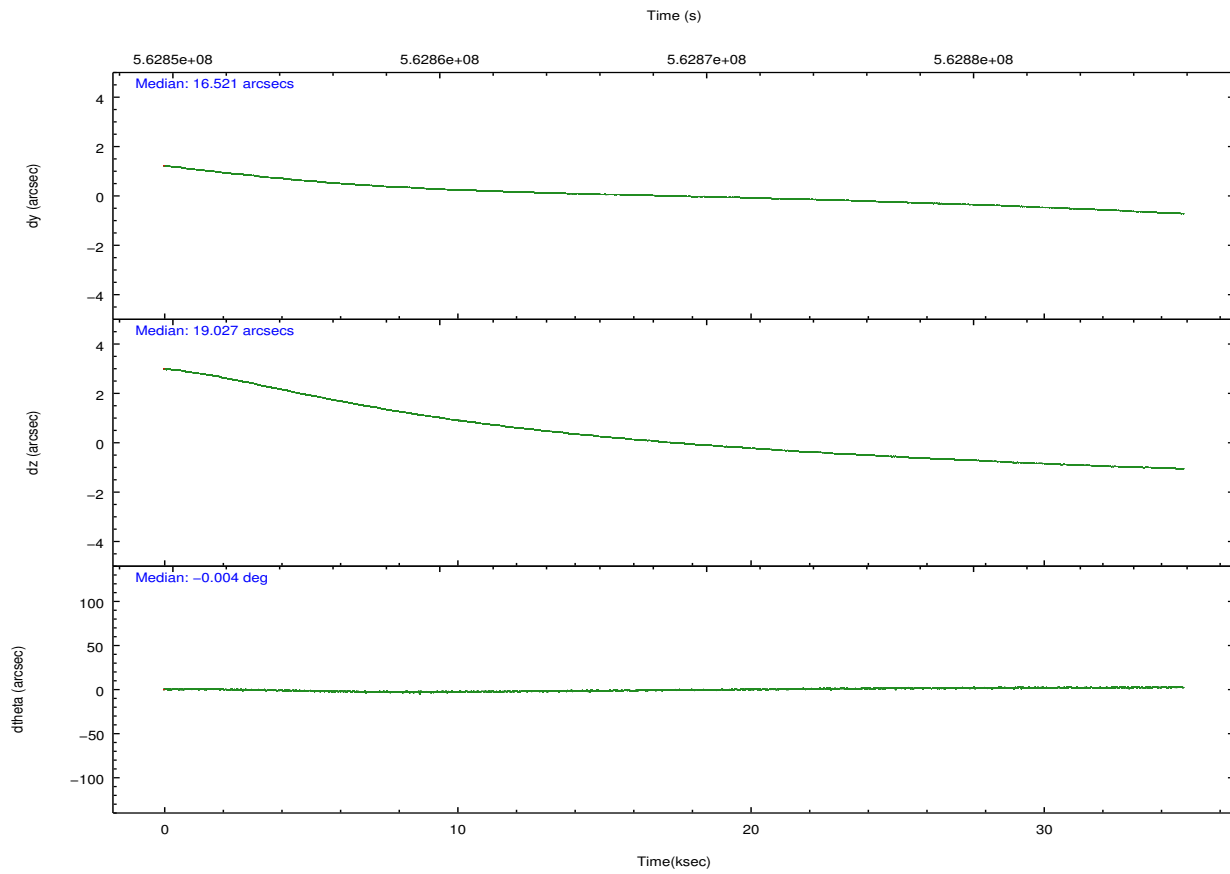
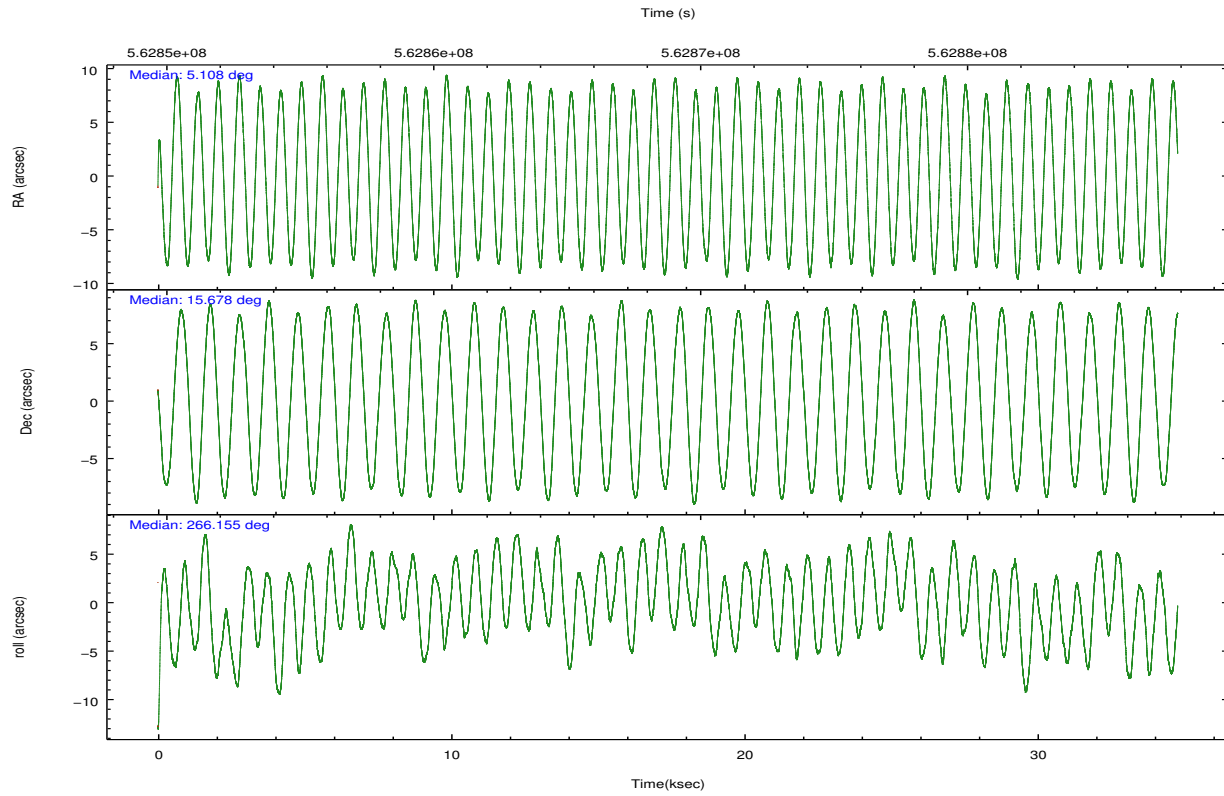
	ccd 7
grade 0 events	5524
	5%
grade 1 events	146
	0%
grade 2 events	11145
	10%
grade 3 events	5394
	5%
grade 4 events	5303
	5%
grade 5 events	11188
	10%
grade 6 events	24988
	24%
grade 7 events	40286
	38%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	5.095351	5.108255210522202	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	15.701973	15.67749125929889	Subarray start row	257	257
[deg] Pointing Roll	266.002617	266.1557461221535	Subarray row count	512	512
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1.5
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	562851498.184000	562850094.92337			
Observation start date	2015-11-02T11:37:10	2015-11-02T11:14:54			
[s] Observation end time (MET)	562886148.184000	562887309.08798			
Observation end date	2015-11-02T21:14:40	2015-11-02T21:35:09			
Read mode	TIMED	TIMED			

2.3 Aspect





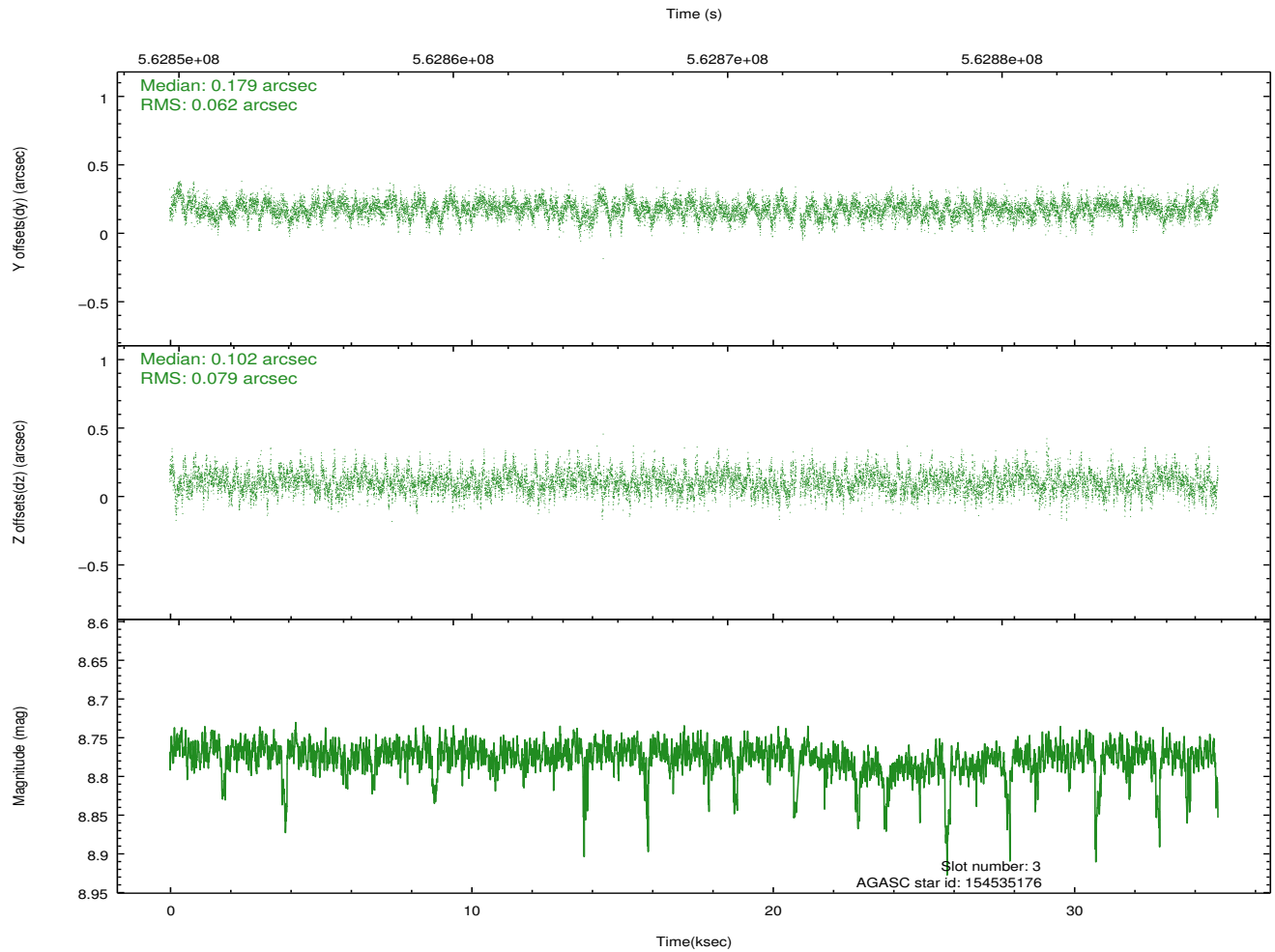
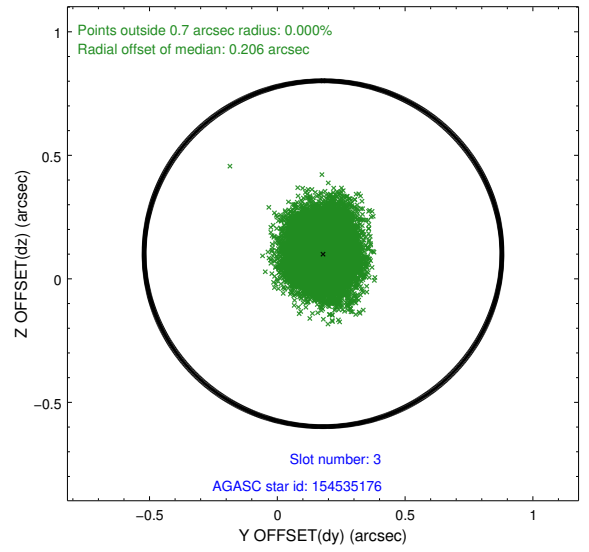
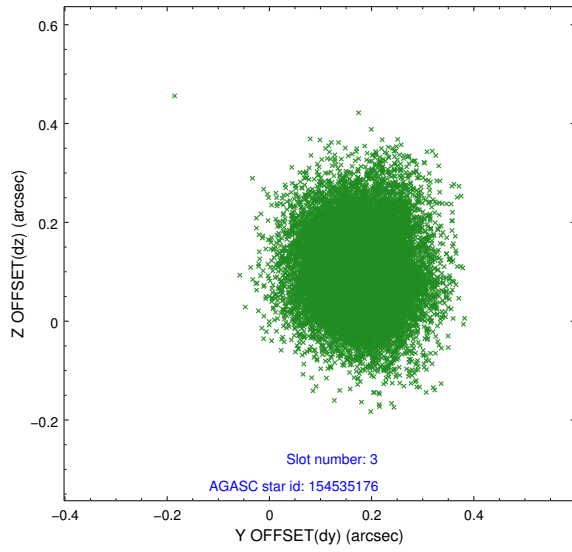
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.12	8484	-0.169	-0.126	0.018	0.034	0.000000	0.000000	-769.76	-1740.94
1	FID		ACIS-S-4	7.22	8484	0.411	0.115	0.011	0.024	0.000000	0.000000	2144.08	167.73
2	FID		ACIS-S-5	7.23	8484	-0.271	0.020	0.021	0.034	0.000000	0.000000	-1822.64	161.36
3	GUIDE	used	154535176	8.77	16891	0.179	0.102	0.105	0.175	4.799697	16.314867	-2130.12	-1172.72
4	GUIDE	used	154547856	9.62	16941	0.034	-0.125	0.161	0.305	5.263070	15.147472	1950.90	720.93
5	GUIDE	used	154678448	10.00	16943	-0.038	-0.093	0.255	0.399	5.536117	15.229212	1589.90	1646.02
6	GUIDE	used	154679048	9.43	16953	-0.336	-0.244	0.178	0.286	5.608057	15.405015	940.31	1849.51
7	GUIDE	used	154534888	9.15	16955	0.162	0.326	0.114	0.183	4.912149	15.886441	-617.66	-678.60

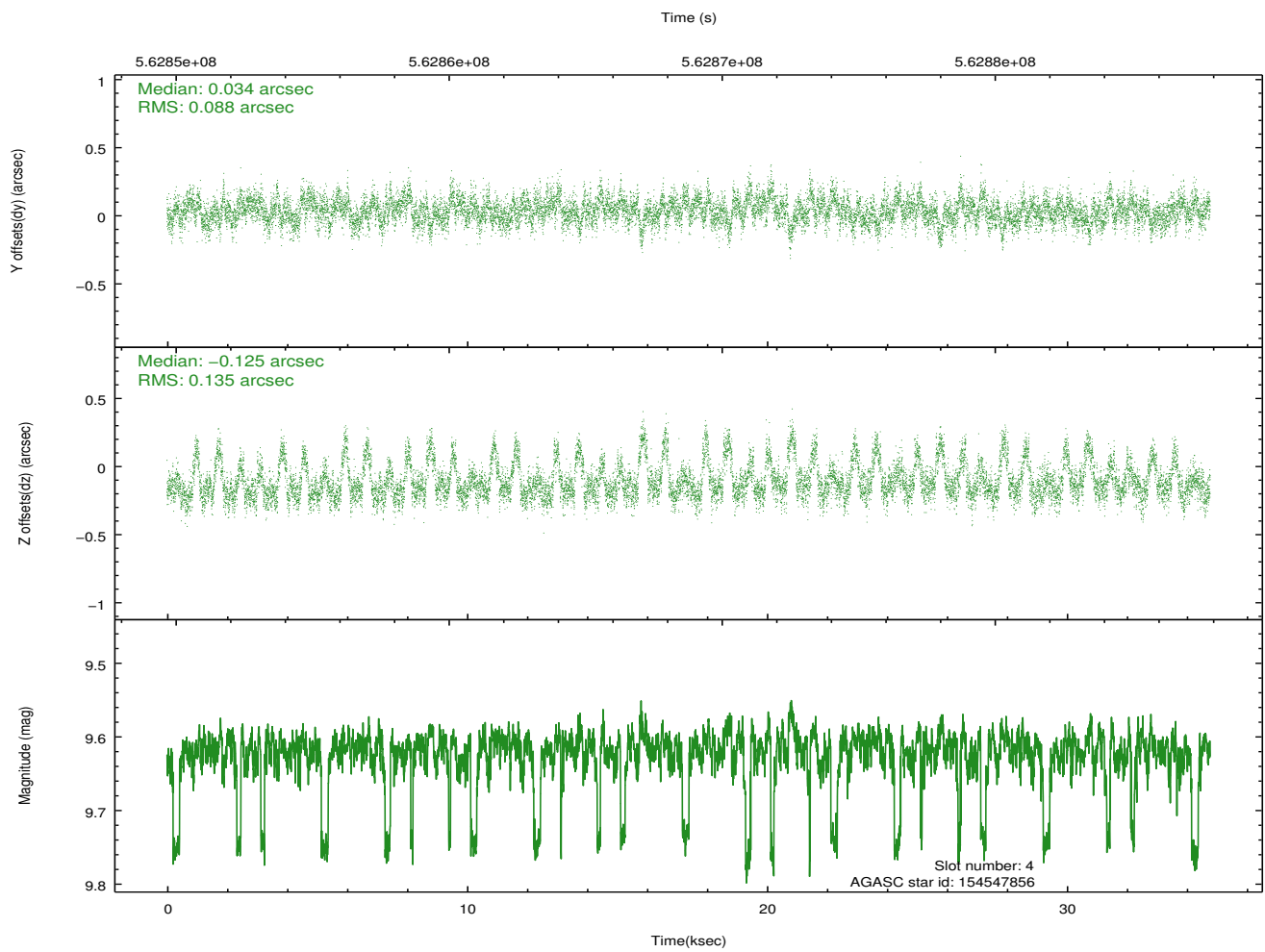
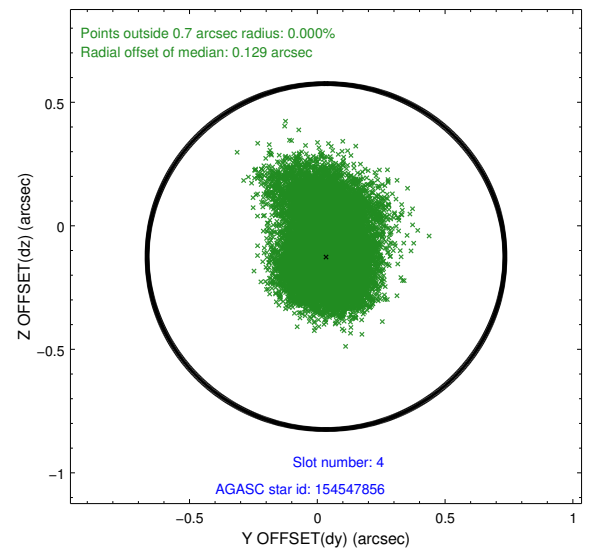
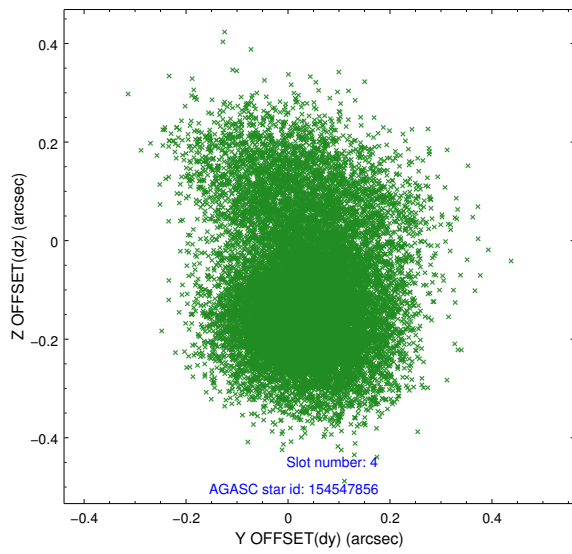
∞

2.4 Star Slots

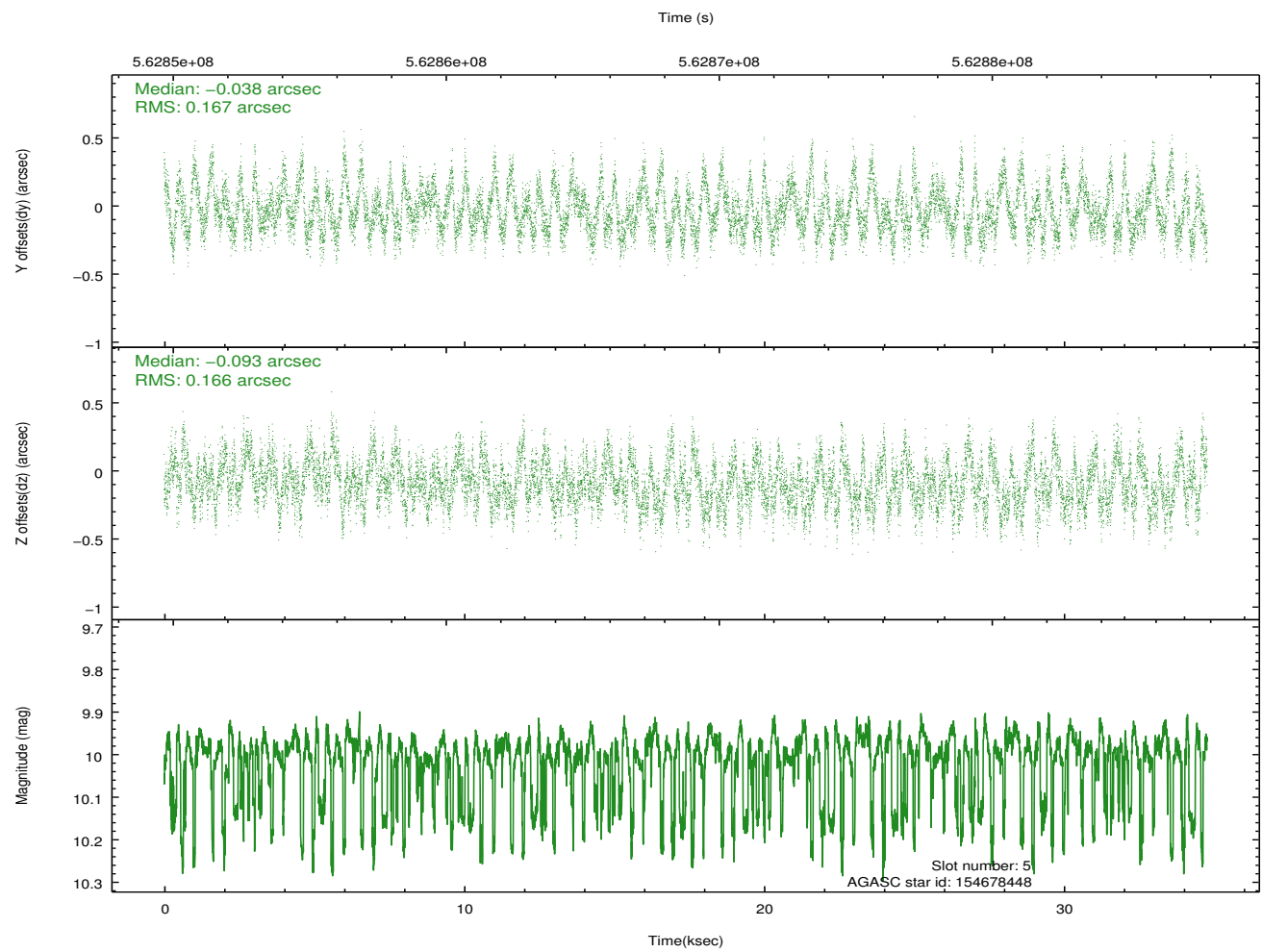
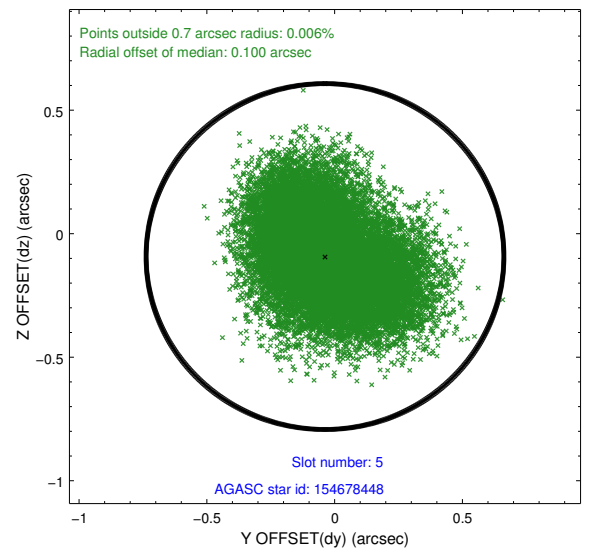
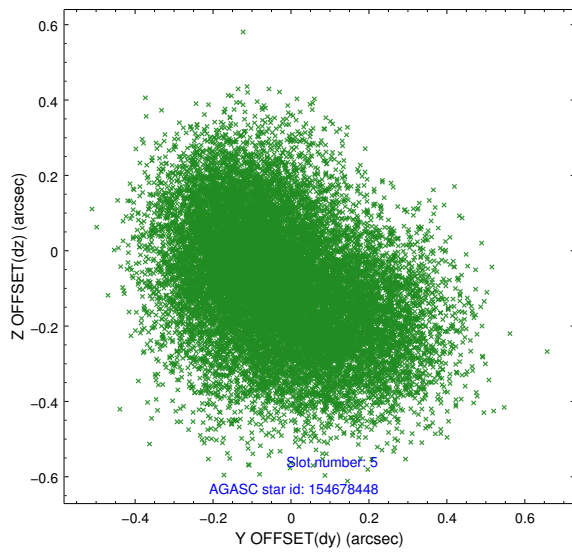
2.4.1 Slot 3



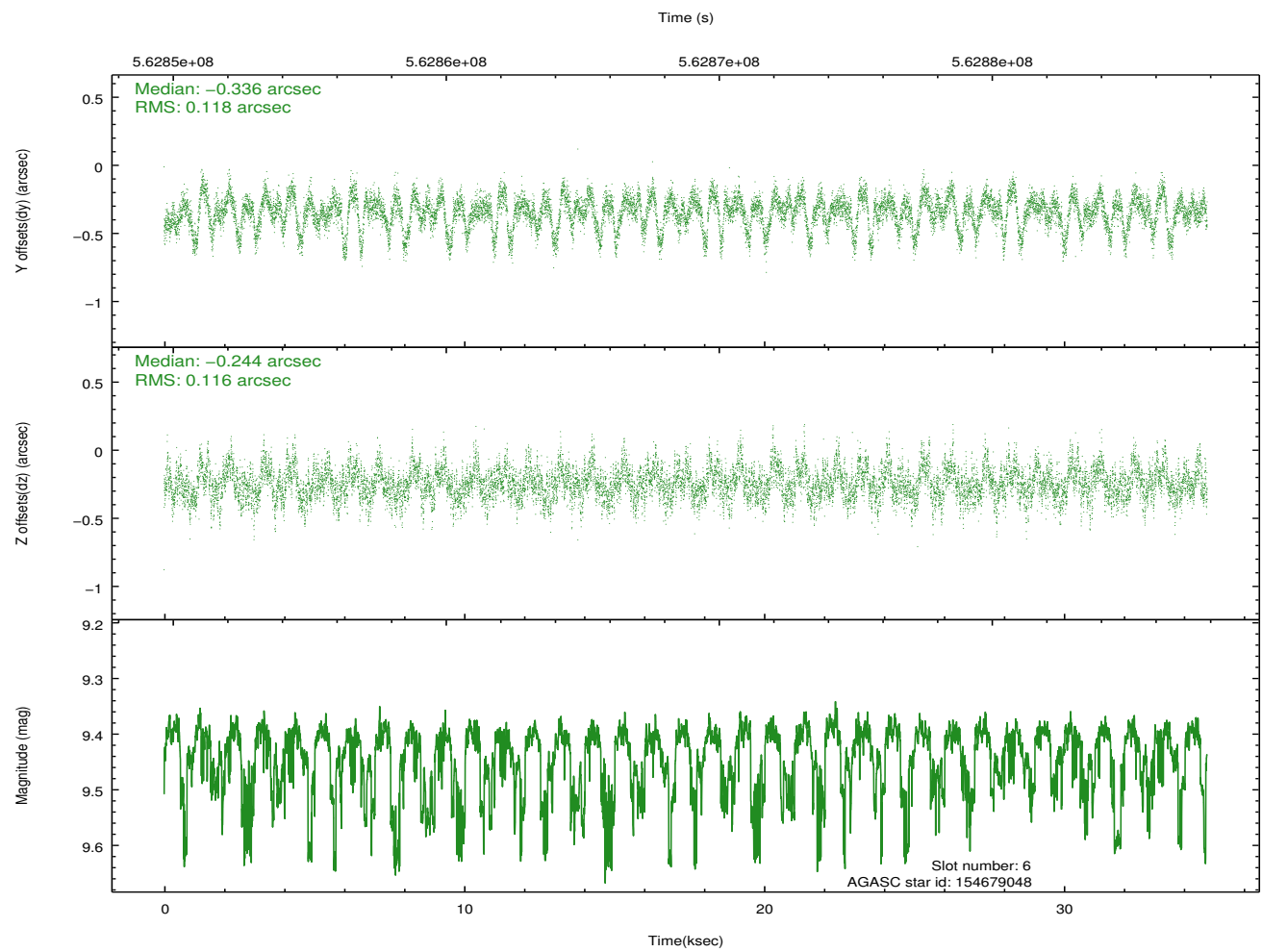
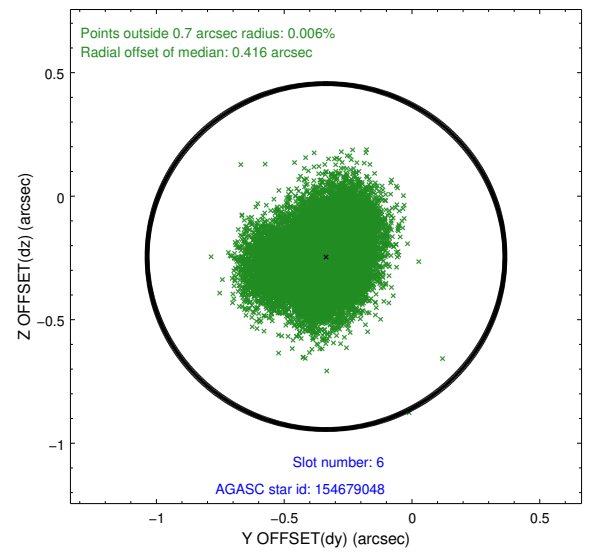
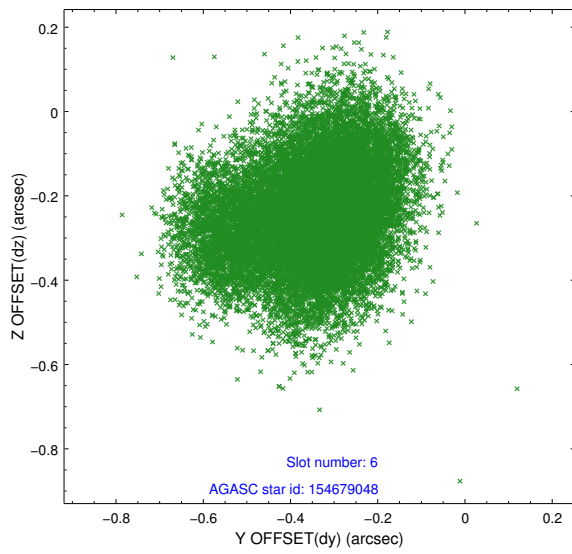
2.4.2 Slot 4



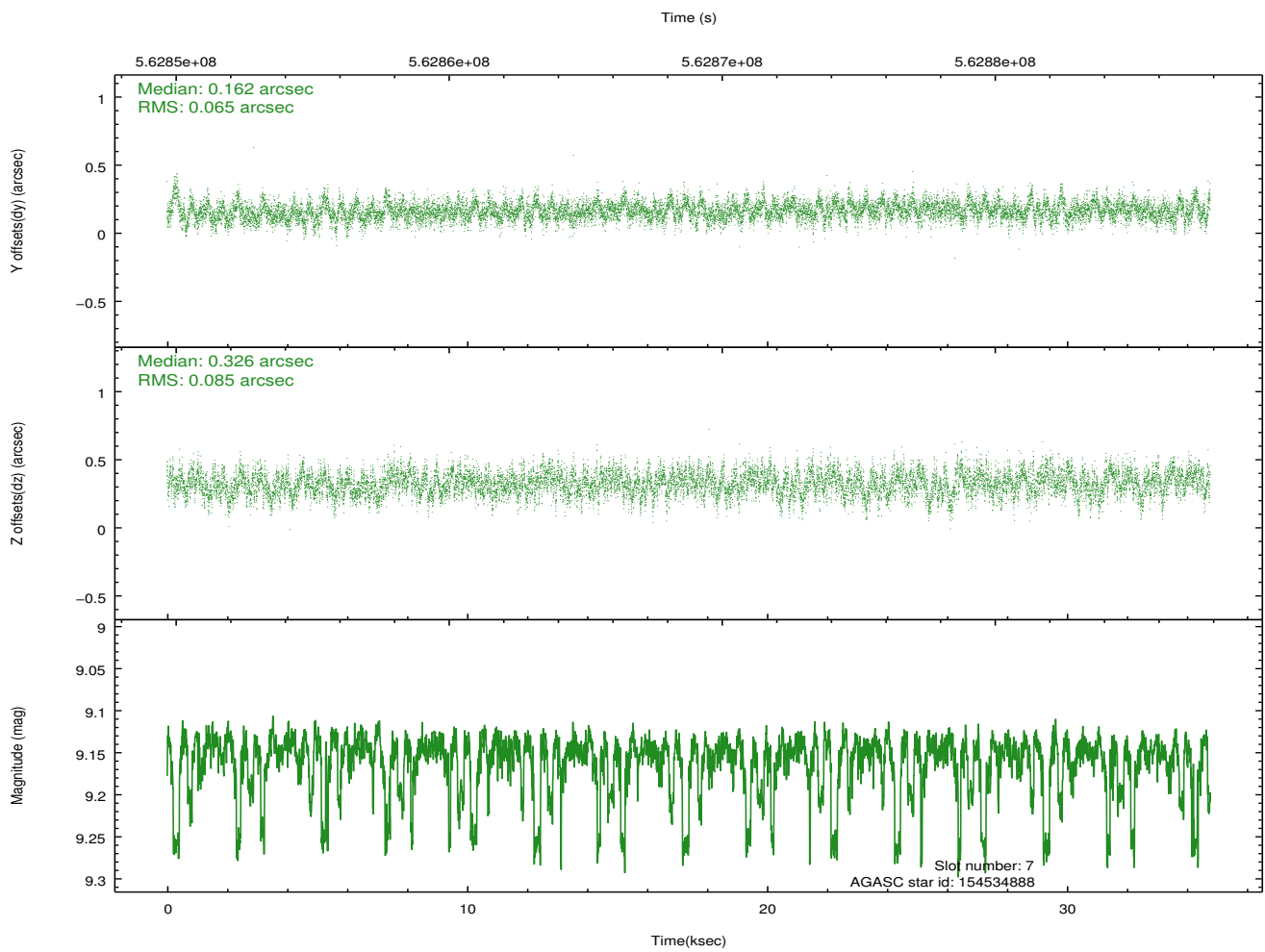
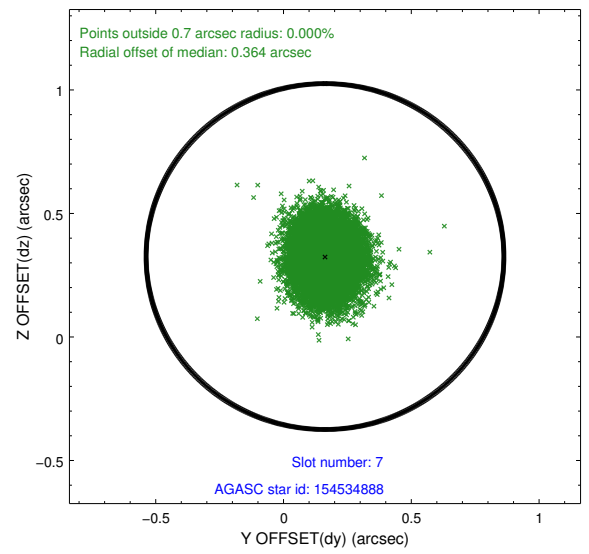
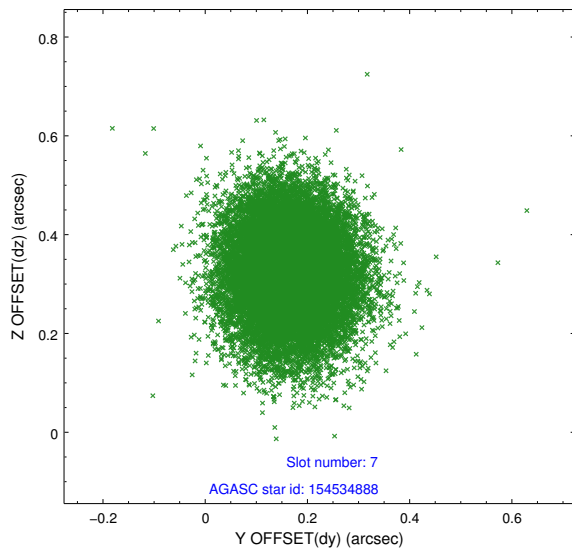
2.4.3 Slot 5



2.4.4 Slot 6

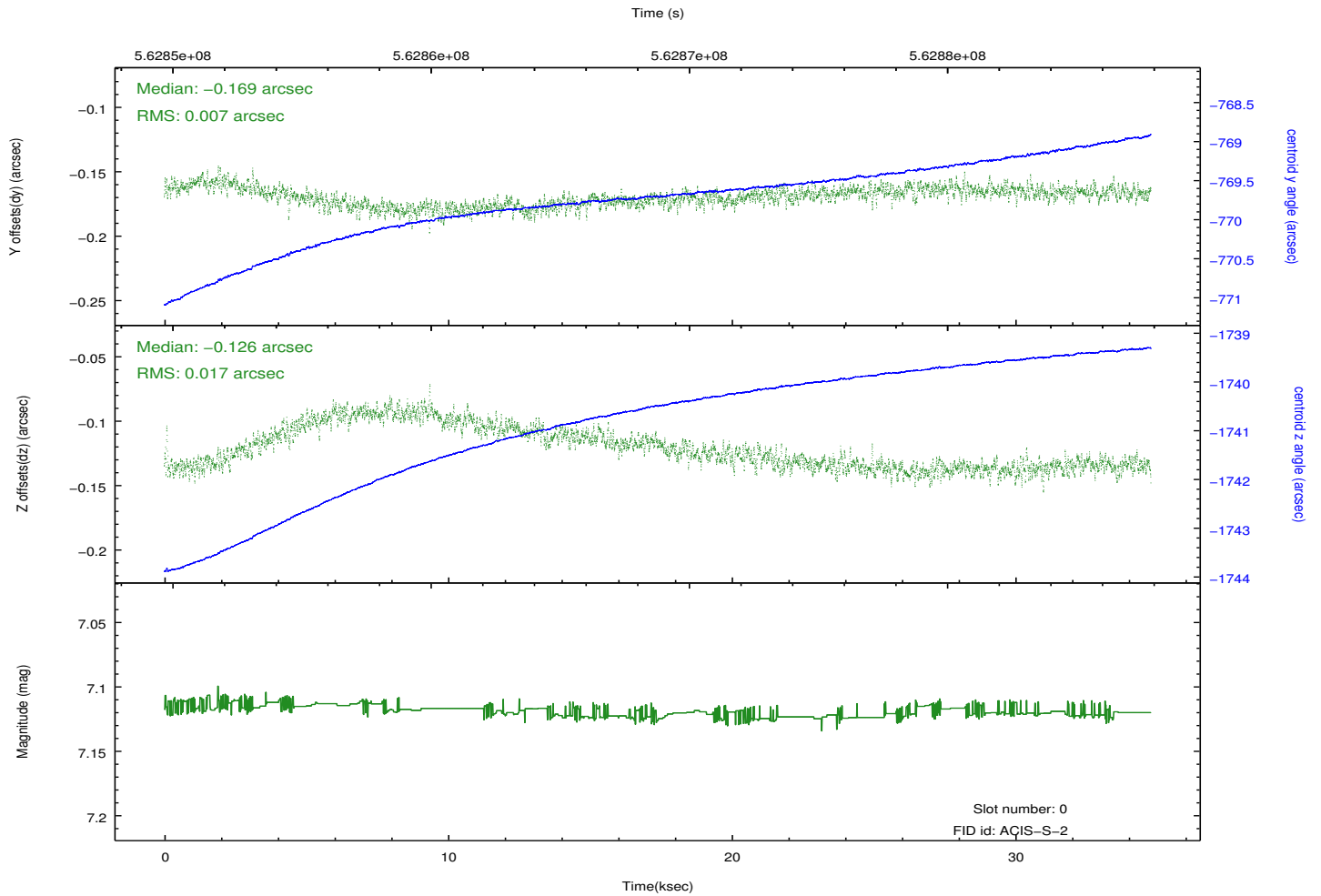
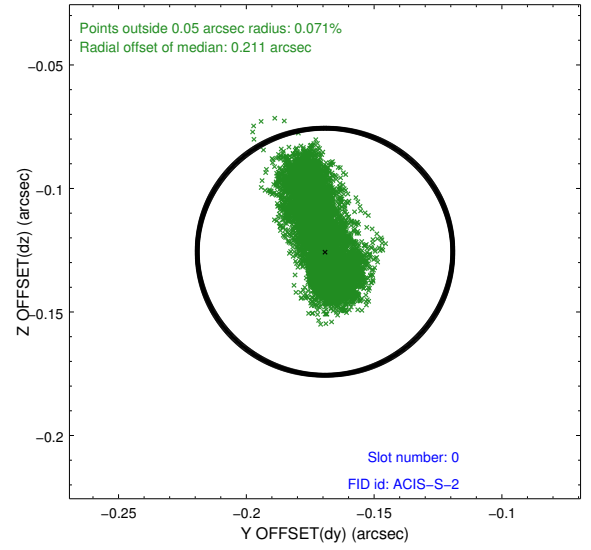
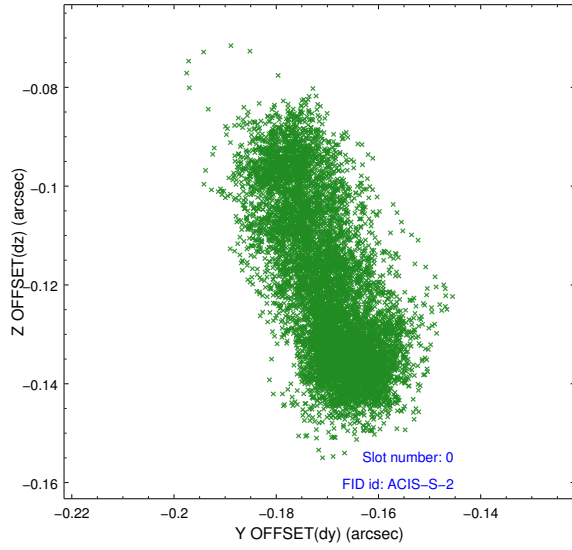


2.4.5 Slot 7

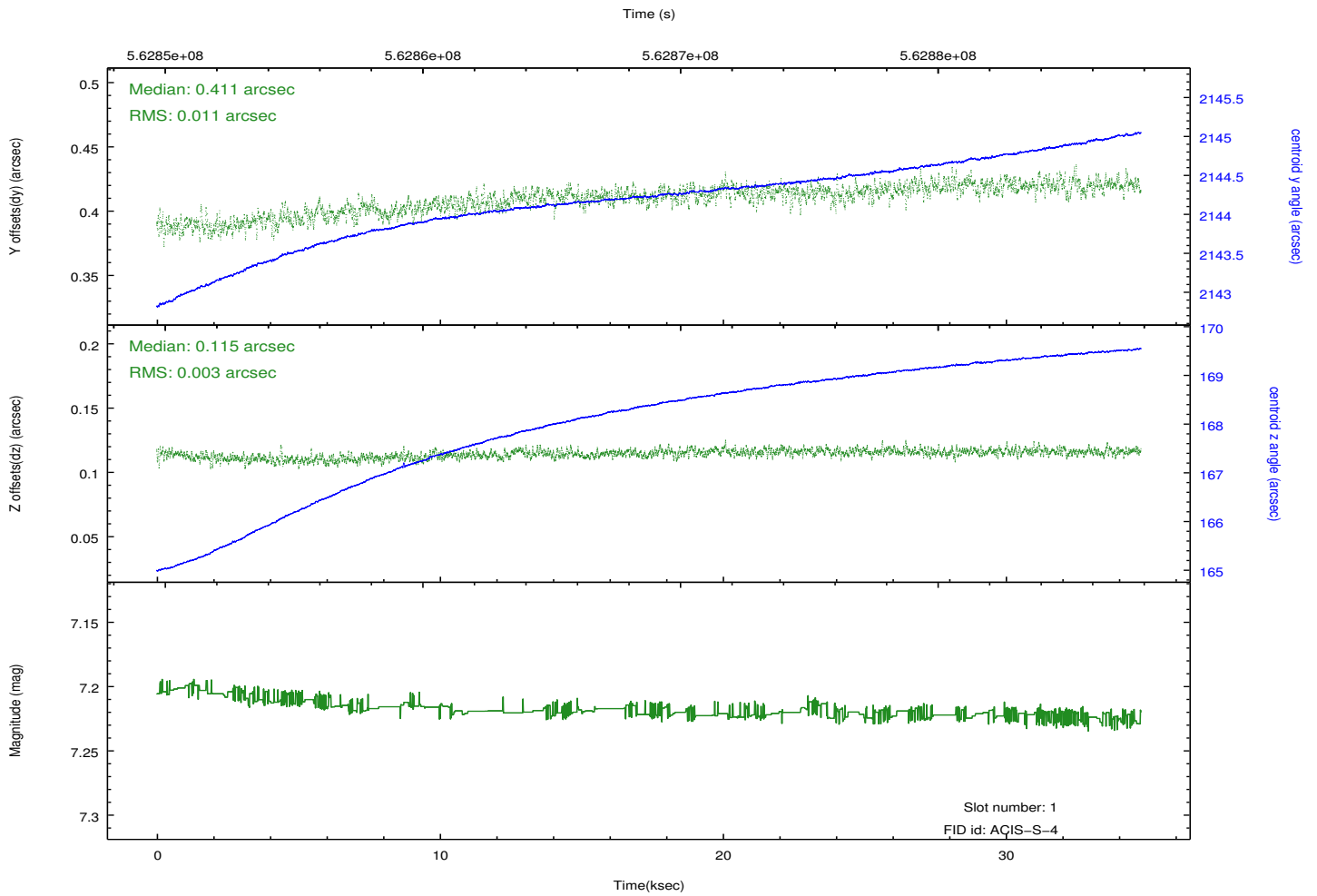
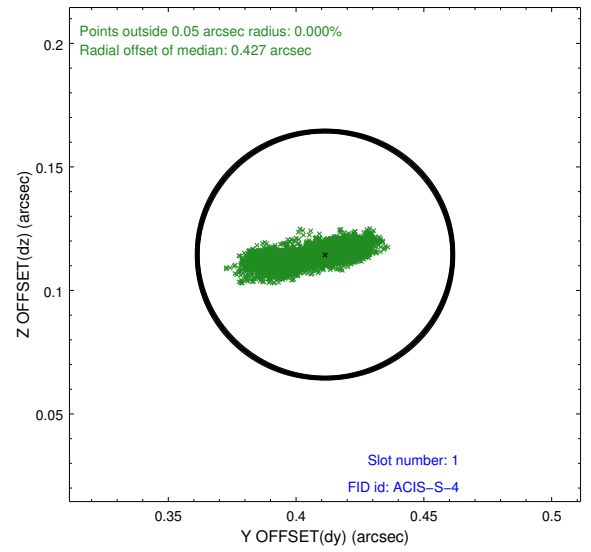
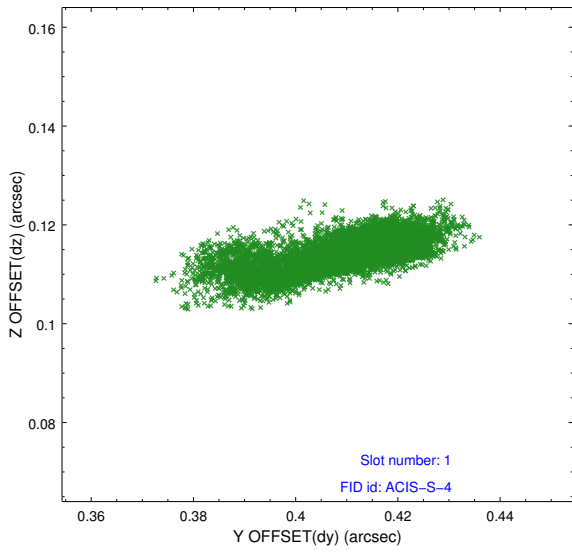


2.5 FID Slots

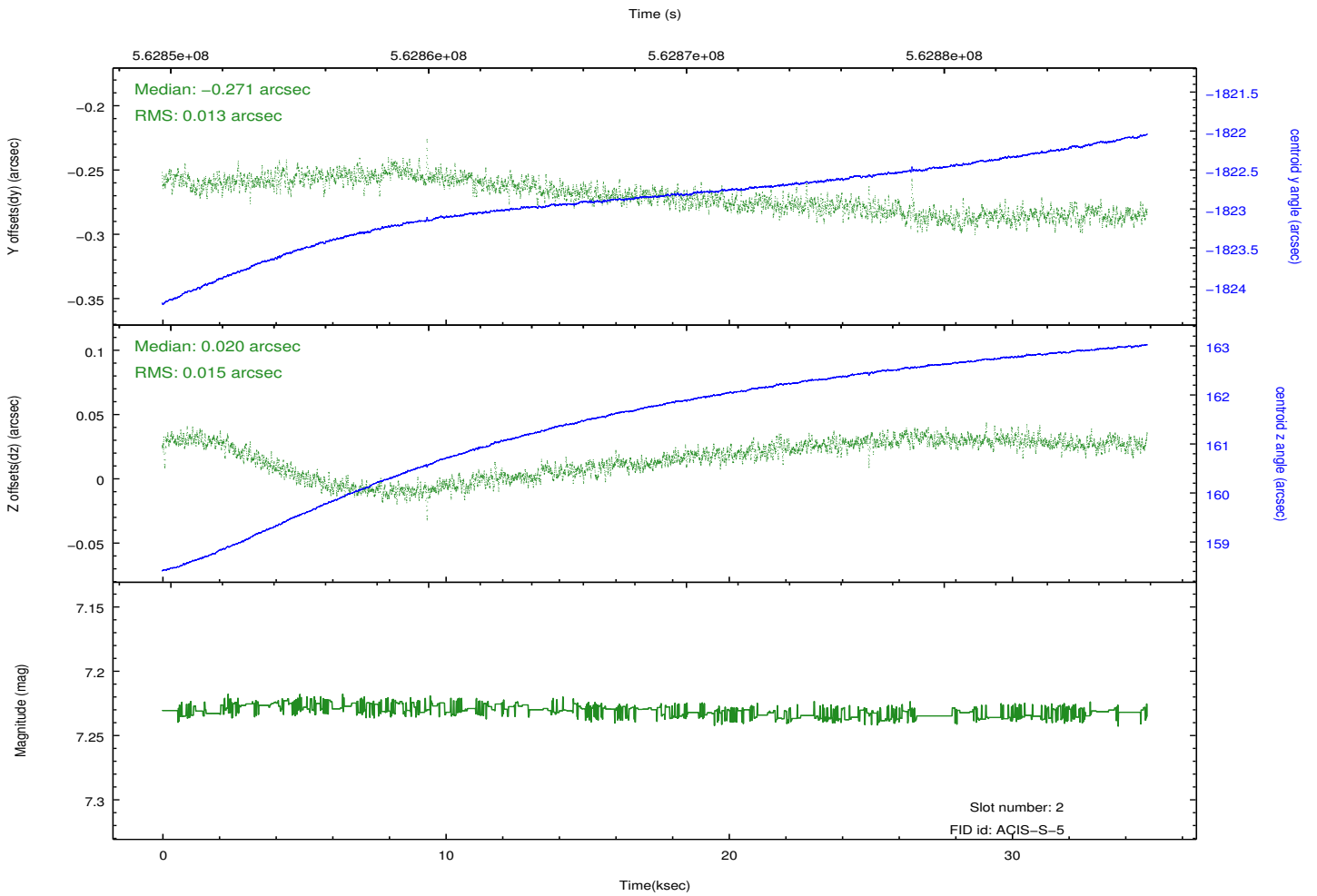
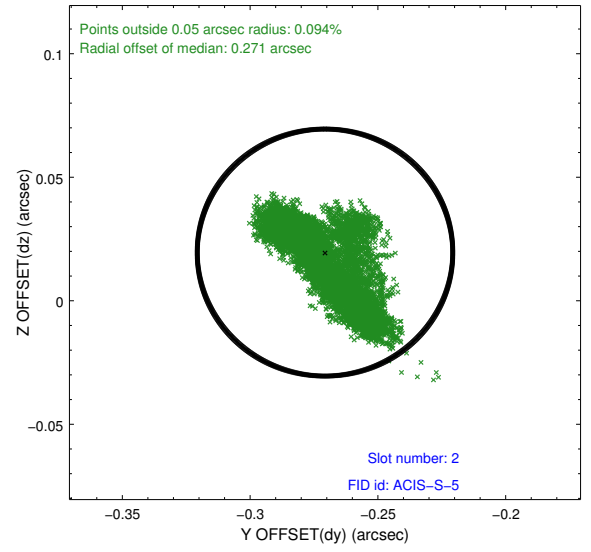
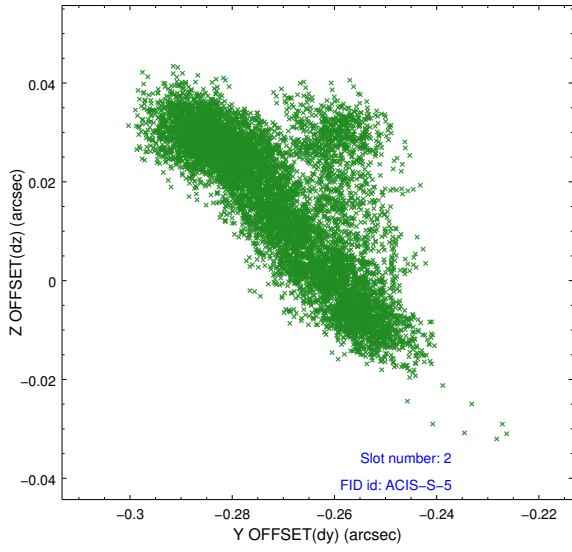
2.5.1 Slot 0



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)	2015.11.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	34.718324070454

A.2 Comments

The slot 1 radial offset of 0.427 arcsec is acceptable.