

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16216 - L2 Version 1
Chandra X-Ray Center

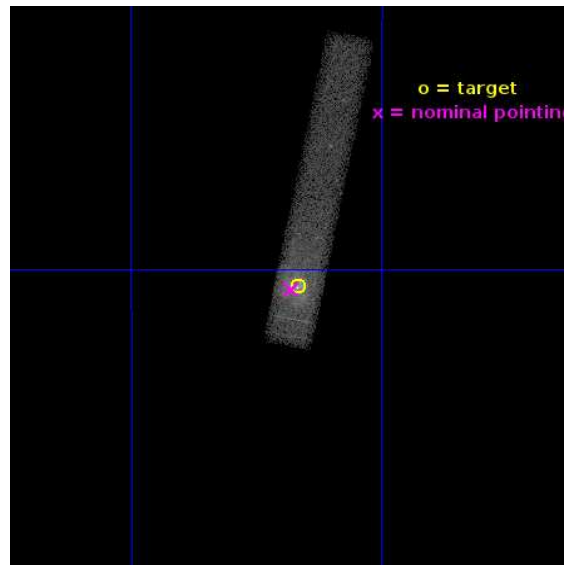
L2 Processing Date : Aug 3 2014

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1 Front

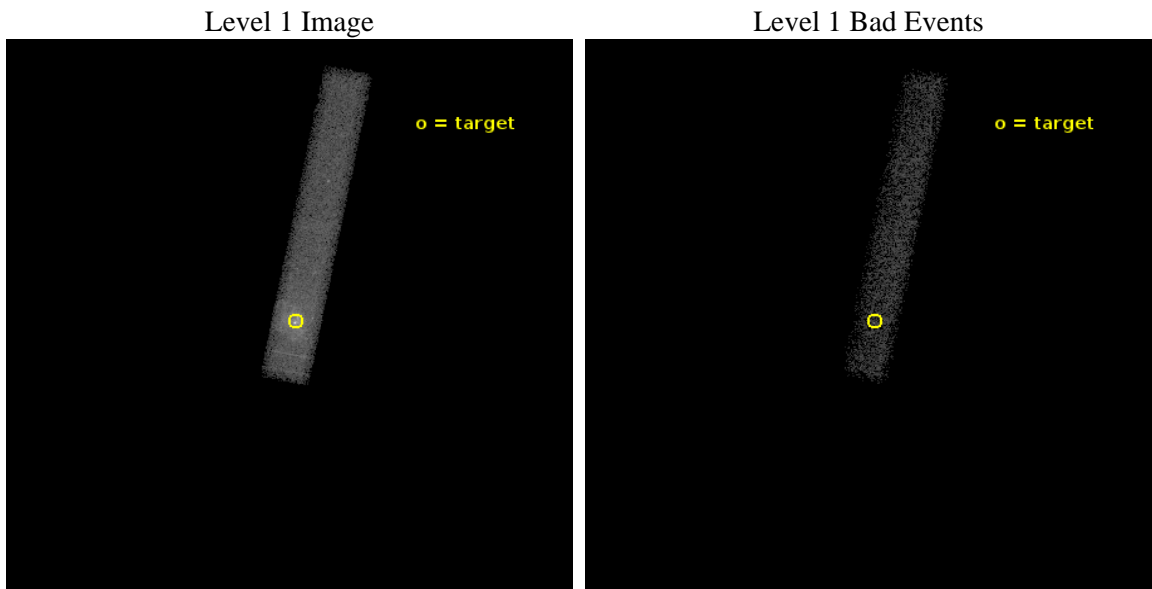
seq_num	601128	Sequence number
obs_id	16216	Observation id
title	Monitoring the Tidal Disruption of the Gas Cloud G2 As It Encounters Sgr A*	Proposal title
observer	Dr. Daryl Haggard	Principal investigator
object	Sgr A*	Source name
dtycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.416667	Observer's specified target RA [deg]
dec_targ	-29.007806	Observer's specified target Dec [deg]
ra_nom	266.4199502417	Nominal RA [deg]
dec_nom	-29.008996383838	Nominal Dec [deg]
roll_nom	281.15822816537	Nominal Roll [deg]
revision	1	Processing version of data
ontime	47069.197194457	Sum of GTIs [s]
lvertime	42689.277339431	Livetime [s]
ontime7	47069.197194457	Sum of GTIs [s]
l2events	46361	Number of level 2 events



2 OBI

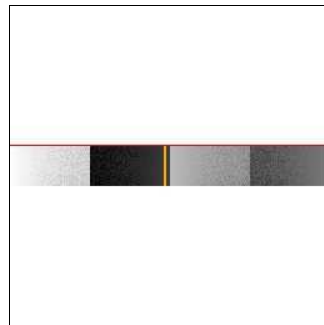
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	47000.000000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	47069.197194457	Sum of GTIs [s]
caldbver	4.6.2	 	ontime7	47069.197194457	Sum of GTIs [s]
date	2014-08-03T14:47:44	Date and time of file creation	l1events	69719	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	69719
rejected events	22355
rejected %	32%

	ccd 7
grade 0 events	7274
	10%
grade 1 events	57
	0%
grade 2 events	10380
	14%
grade 3 events	5581
	8%
grade 4 events	5489
	7%
grade 5 events	4656
	6%
grade 6 events	18640
	26%
grade 7 events	17642
	25%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	266.398994	266.4199502416952	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-28.988570	-29.00899638383765	Subarray start row	449	449
[deg] Pointing Roll	280.991433	281.1582281653734	Subarray row count	128	128
[s] Window start time (MET)	523231267.184000	523231267.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	523454467.184000	523454467.184000	[s] Primary exposure time	0.000000	0.4
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	523338805.184000	523337501.19757			
Observation start date	2014-08-02T03:52:18	2014-08-02T03:31:41			
[s] Observation end time (MET)	523385805.184000	523386593.57529			
Observation end date	2014-08-02T16:55:38	2014-08-02T17:09:53			
Read mode	TIMED	TIMED			

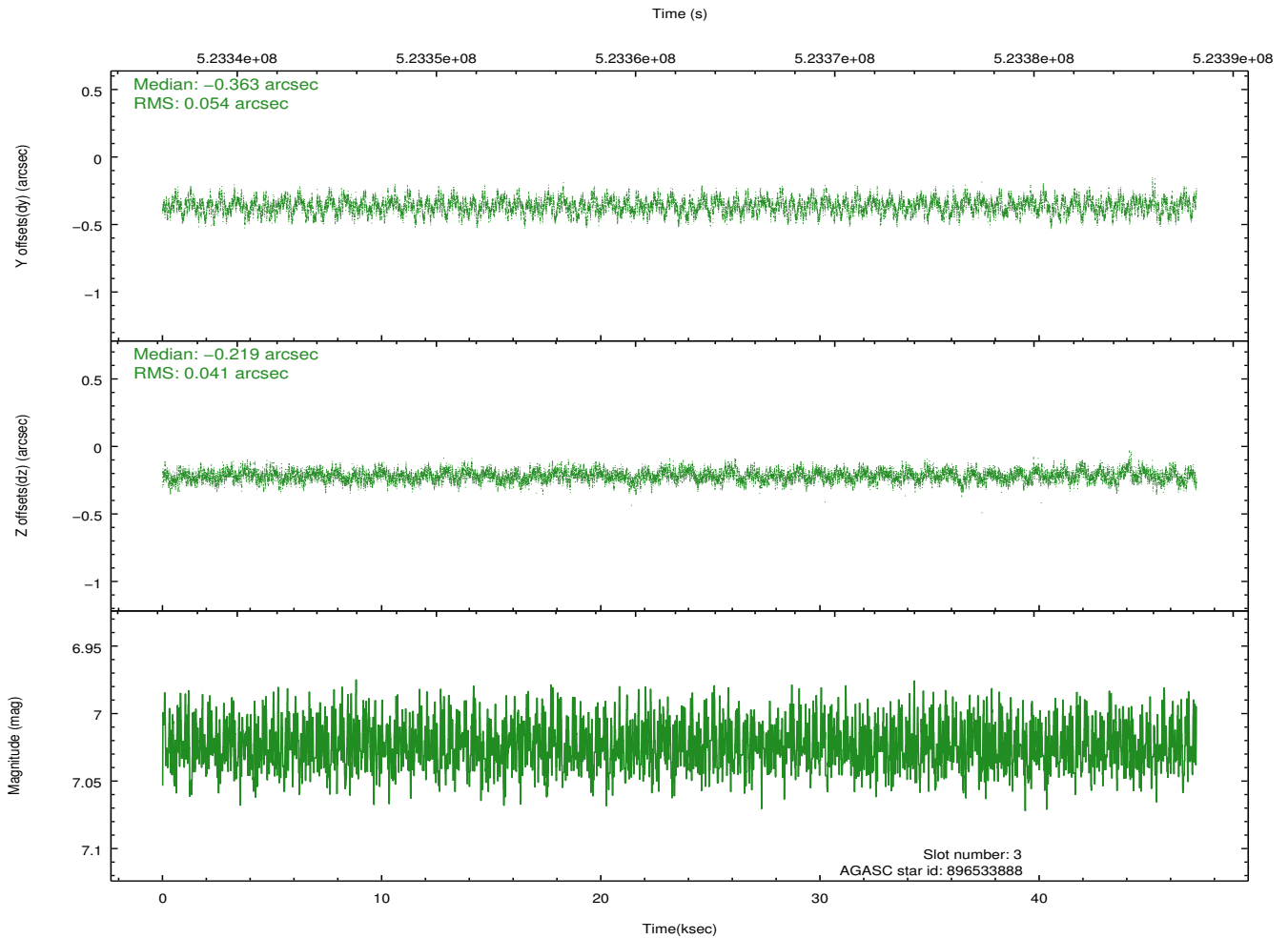
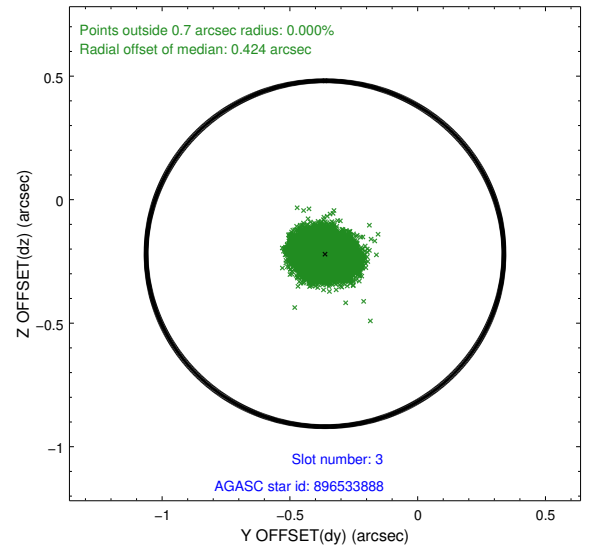
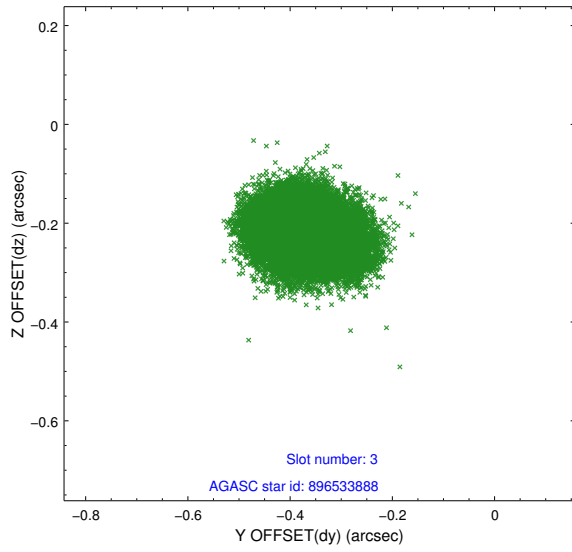
2.3 Aspect

Slot Statistics

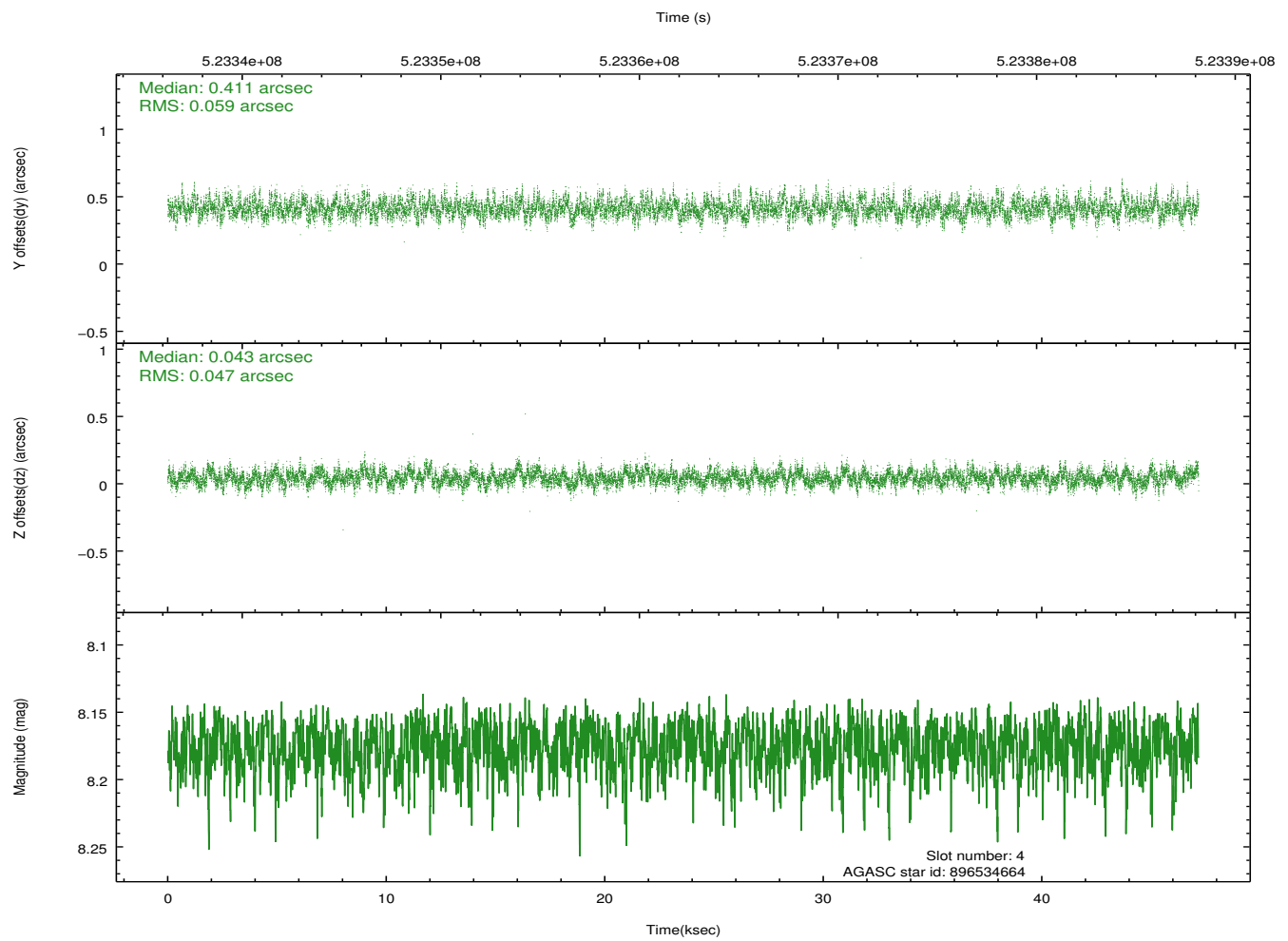
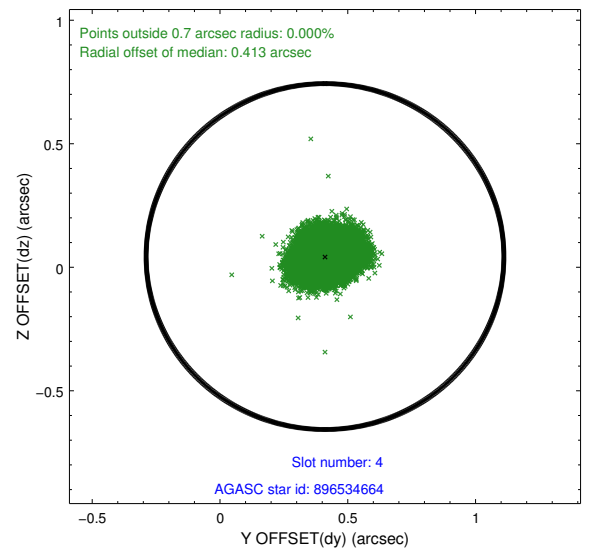
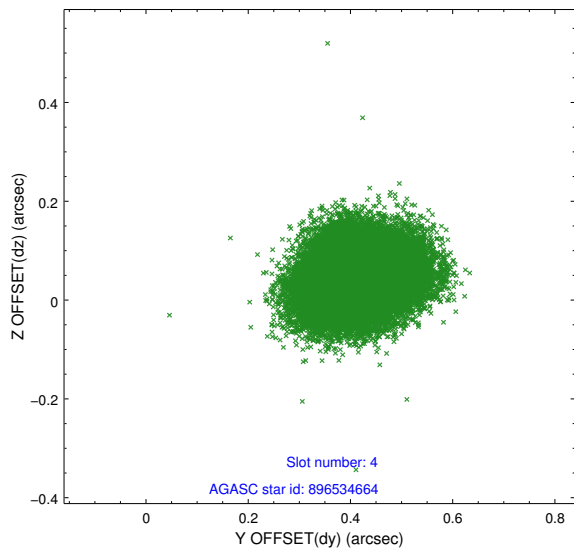
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.07	11506	-0.130	-0.068	0.009	0.016	0.000000	0.000000	-775.68	-1740.50
1	FID	ACIS-S-4	7.16	11506	0.322	0.081	0.020	0.036	0.000000	0.000000	2138.05	168.15
2	FID	ACIS-S-5	7.19	11506	-0.224	-0.004	0.019	0.042	0.000000	0.000000	-1828.62	161.71
3	GUIDE	896533888	7.02	23010	-0.363	-0.219	0.072	0.116	266.666434	-29.392757	1589.49	545.92
4	GUIDE	896534664	8.18	23009	0.411	0.043	0.080	0.131	266.405570	-28.407461	-2048.56	419.42
5	GUIDE	896537176	8.04	23005	-0.167	0.122	0.090	0.143	266.498272	-28.678259	-1036.37	521.01
6	GUIDE	896541360	7.71	23012	-0.363	-0.242	0.067	0.110	266.684478	-29.453744	1815.79	559.08
7	GUIDE	896403520	9.00	22998	0.482	0.304	0.113	0.181	265.626481	-28.748780	-1303.21	-2230.06

2.4 Star Slots

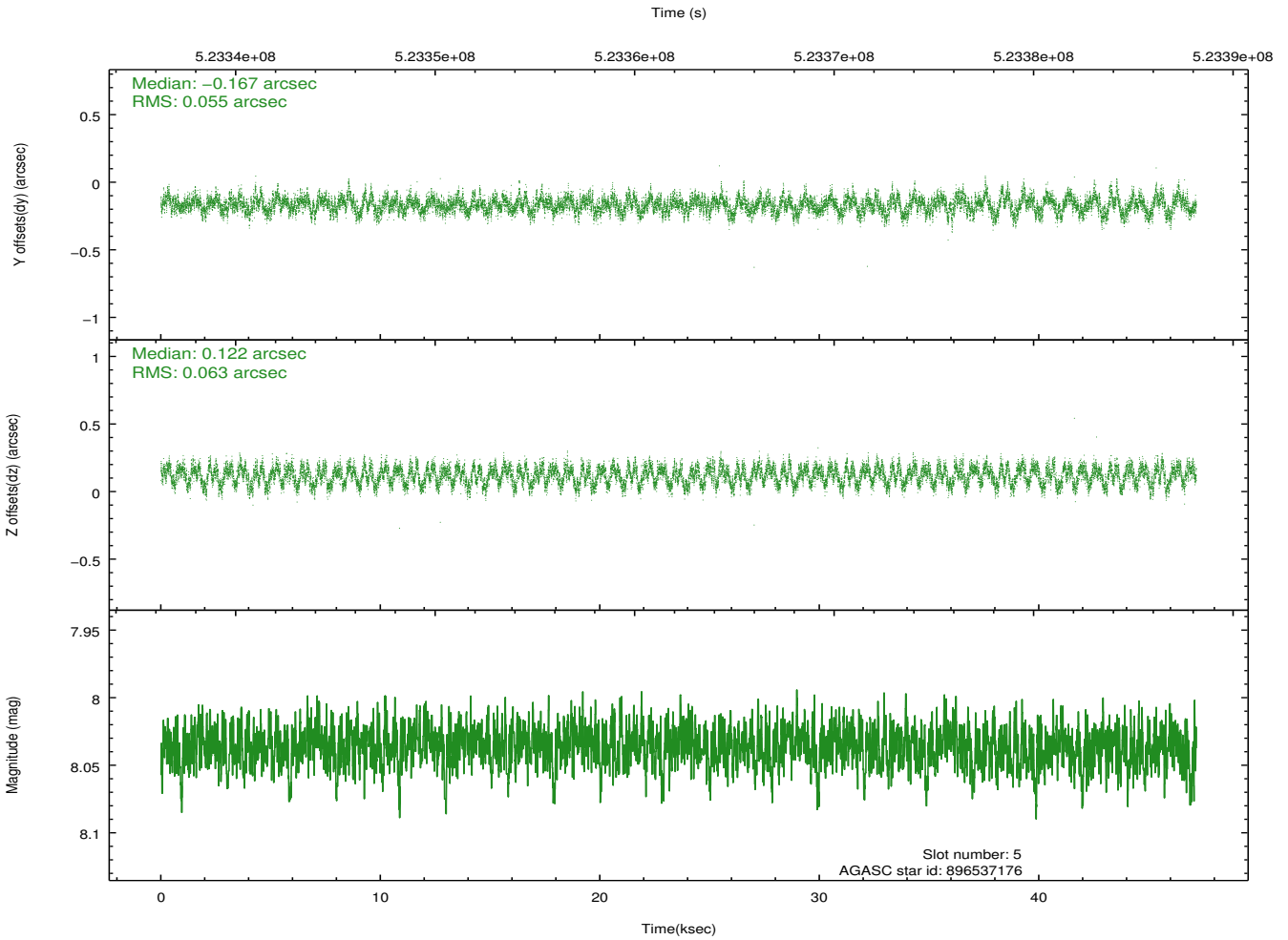
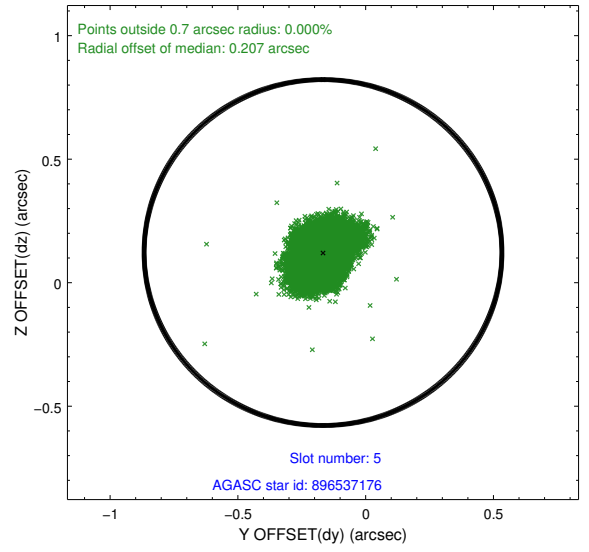
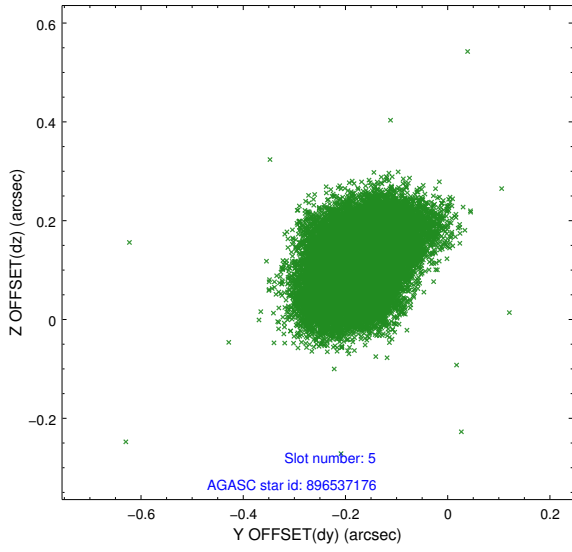
2.4.1 Slot 3



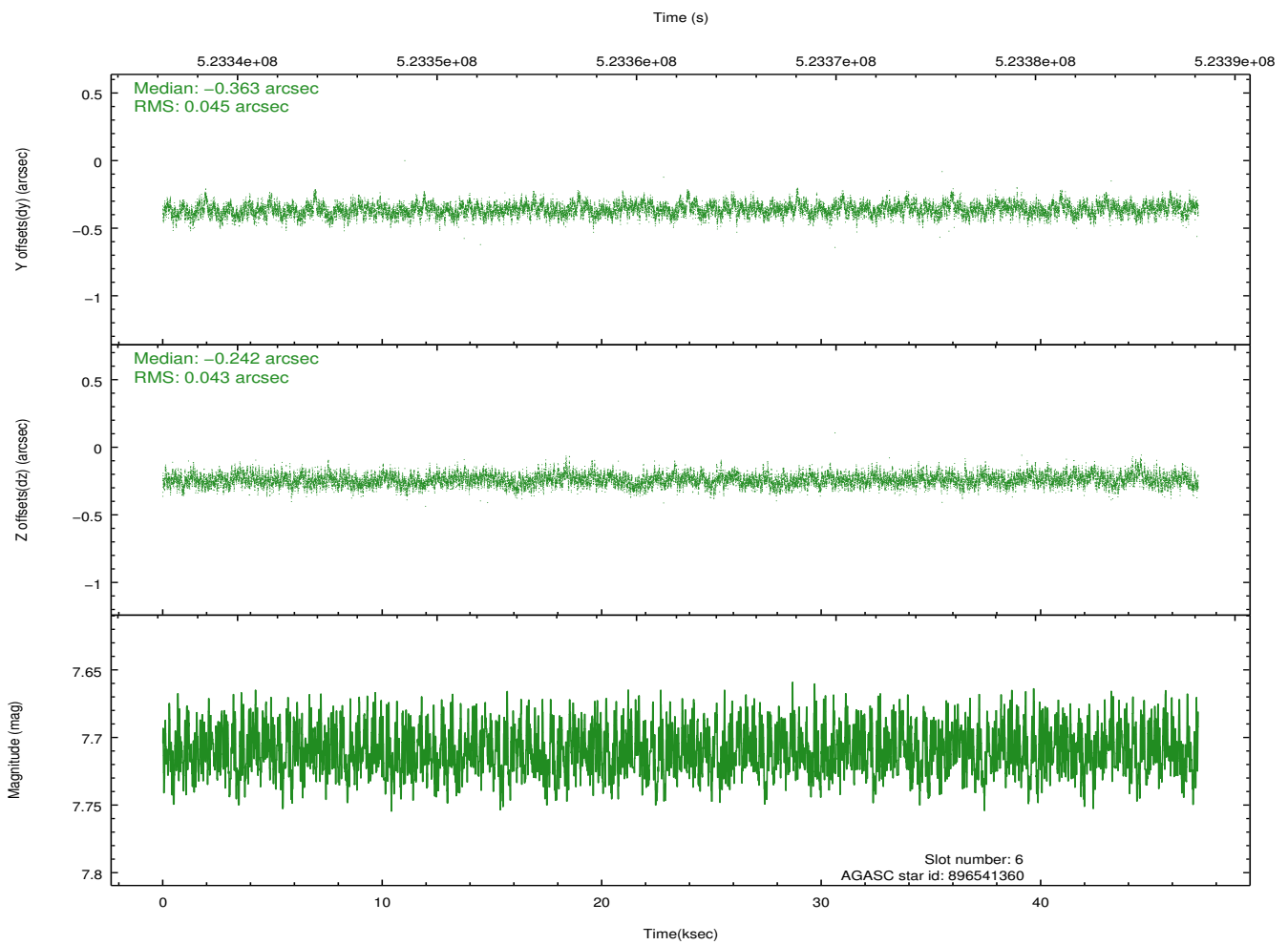
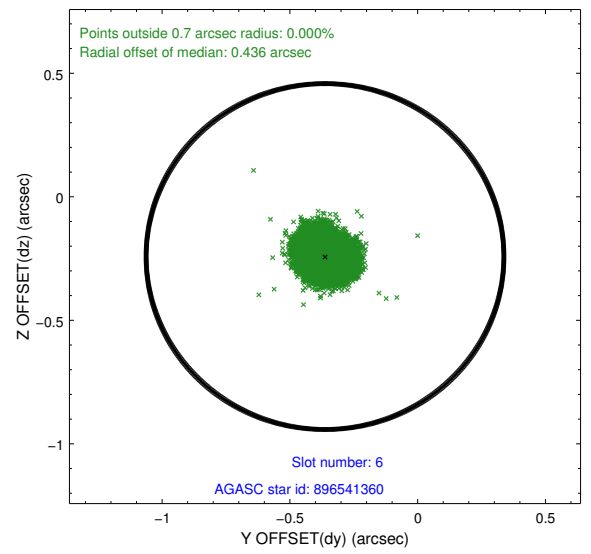
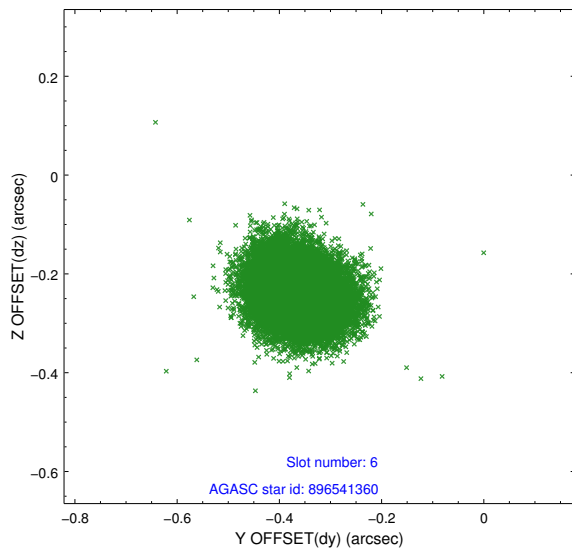
2.4.2 Slot 4



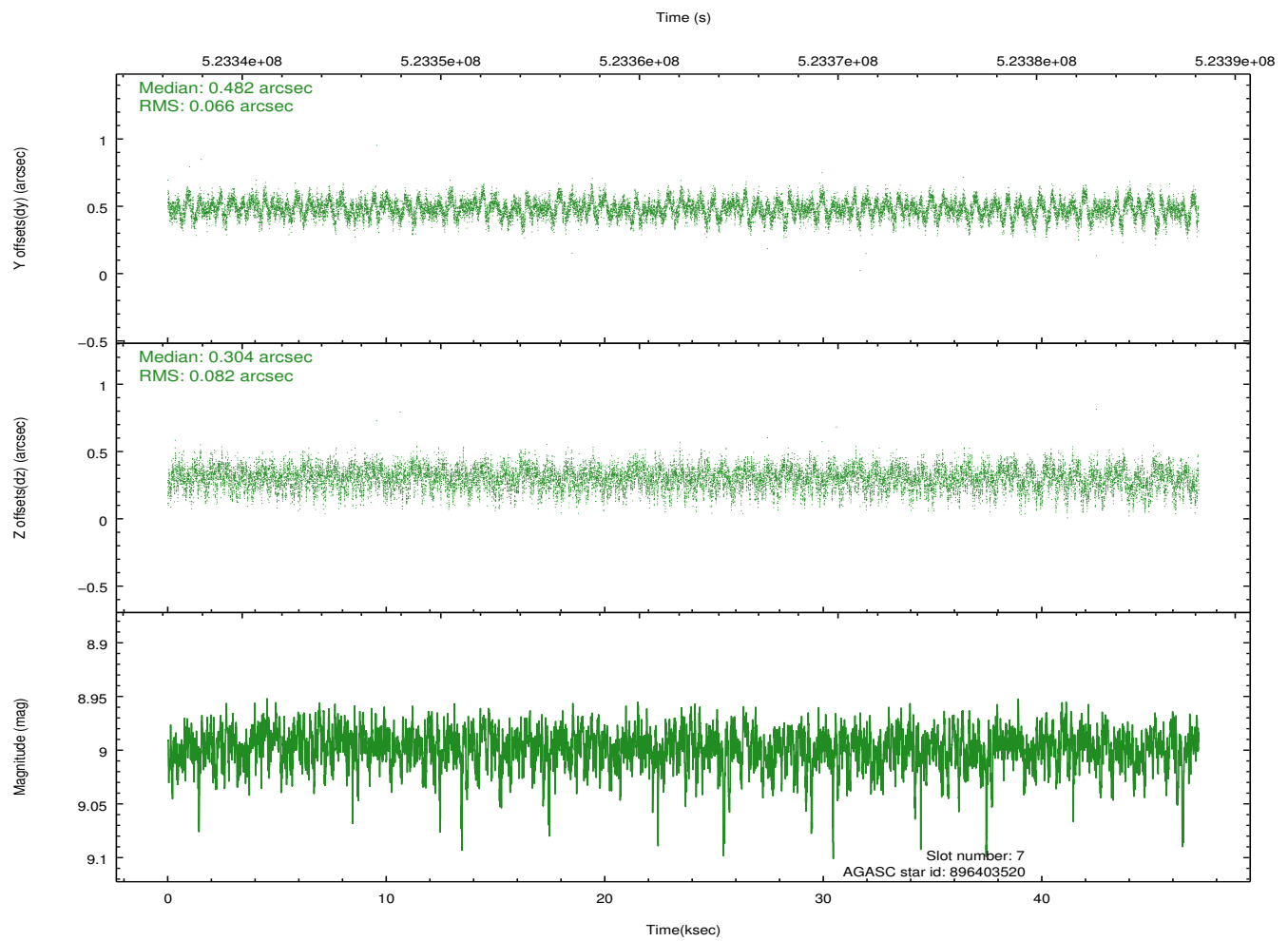
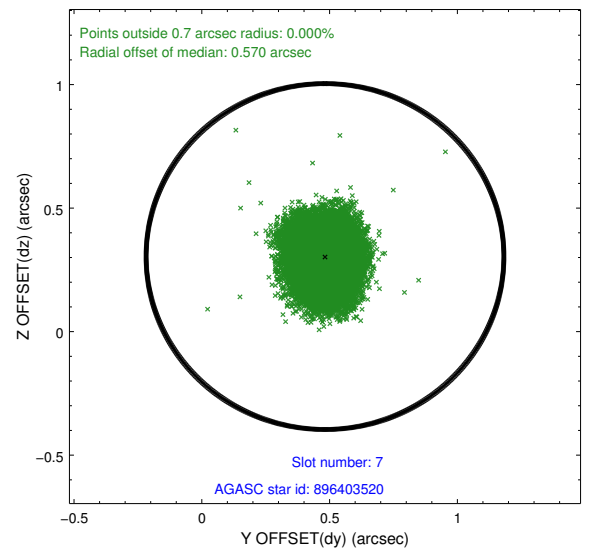
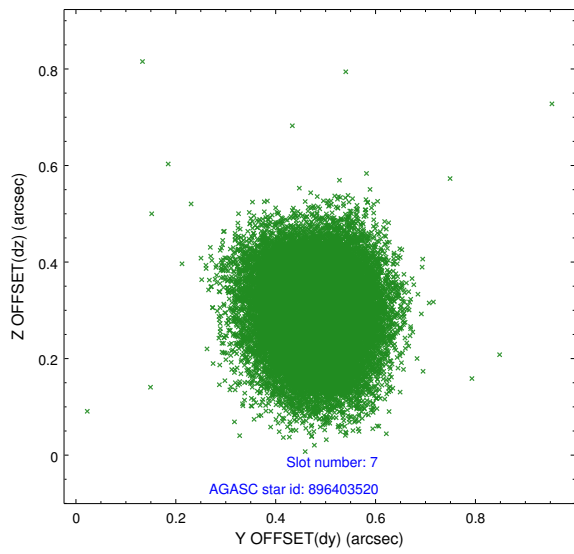
2.4.3 Slot 5



2.4.4 Slot 6

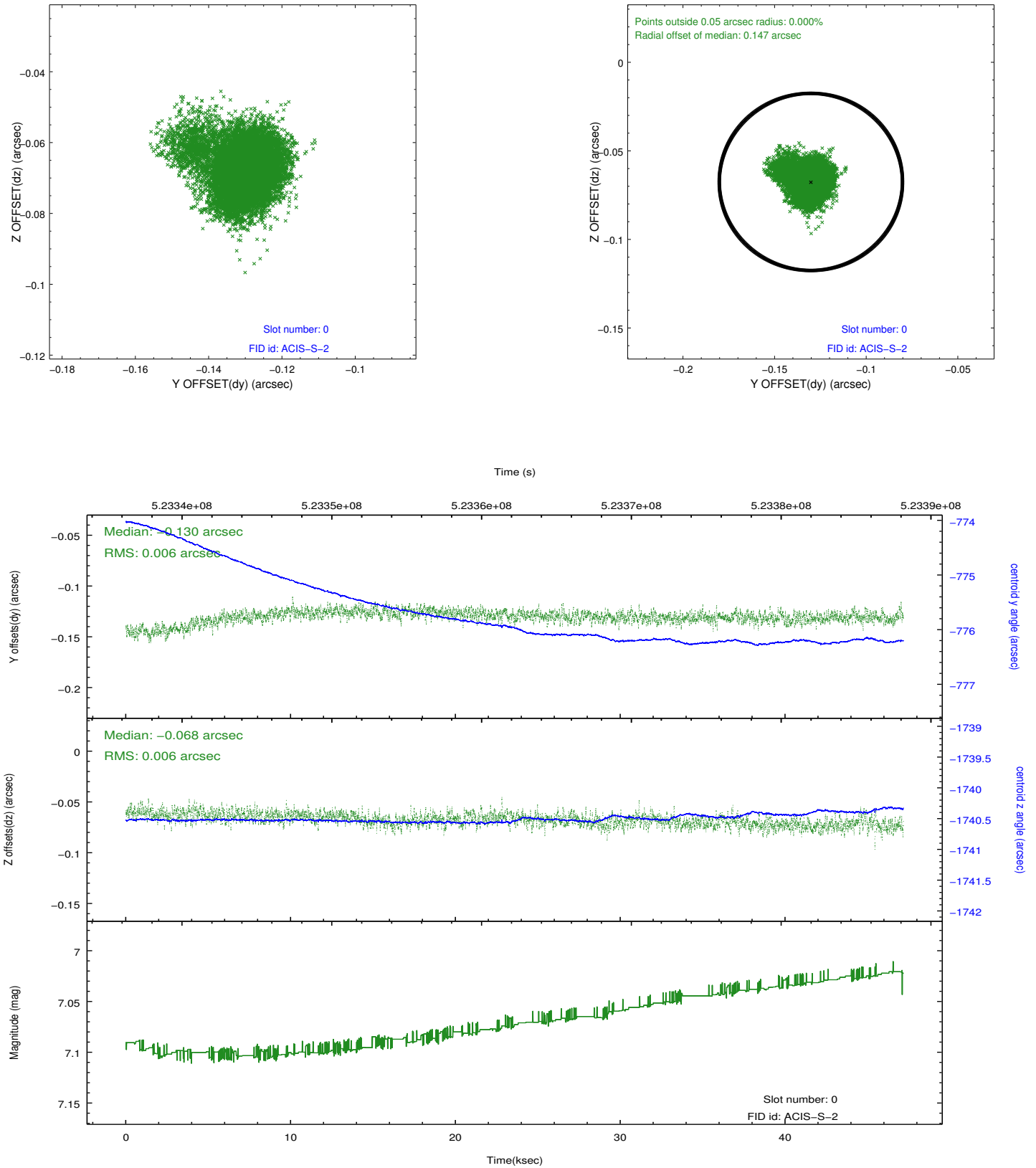


2.4.5 Slot 7

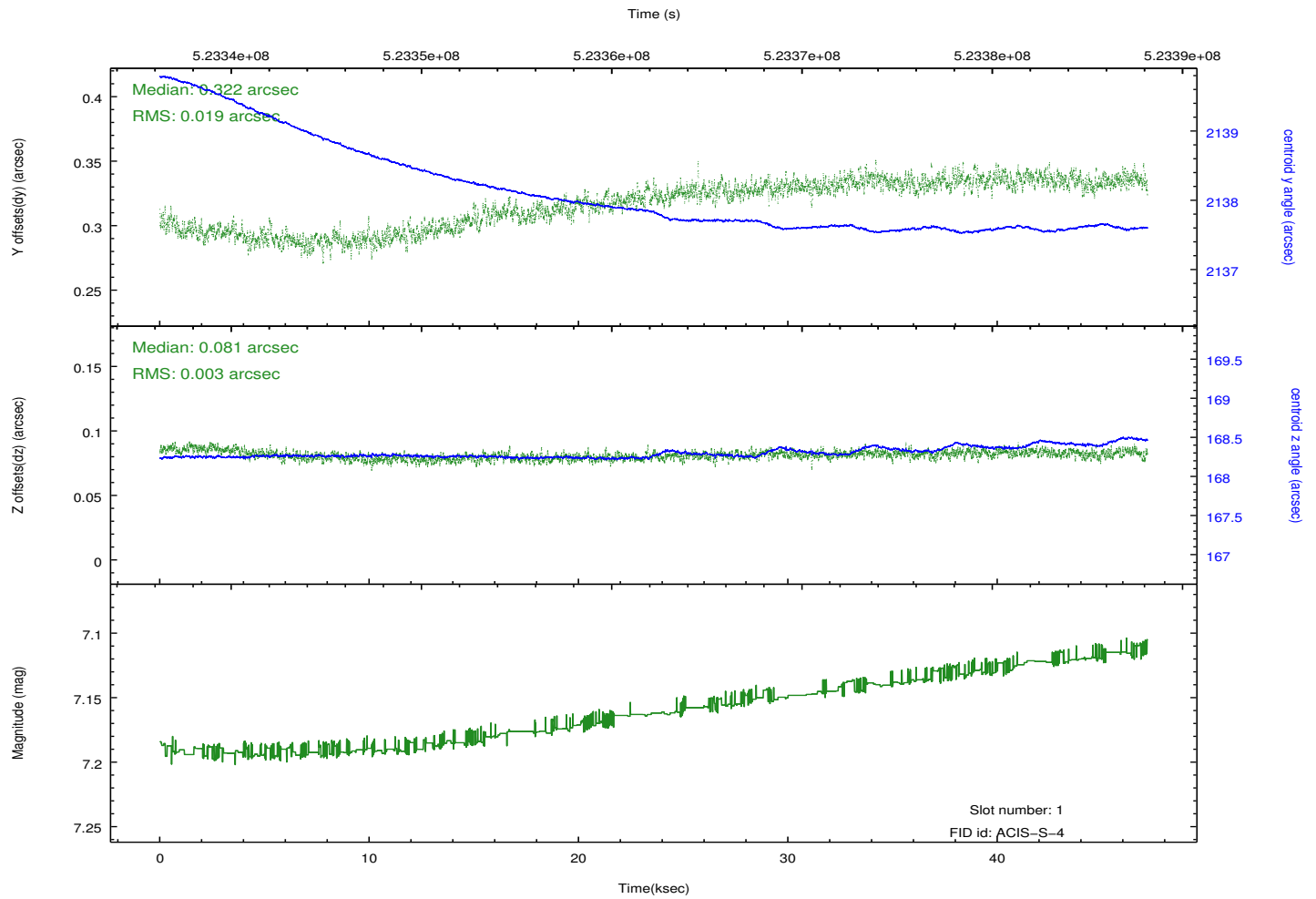
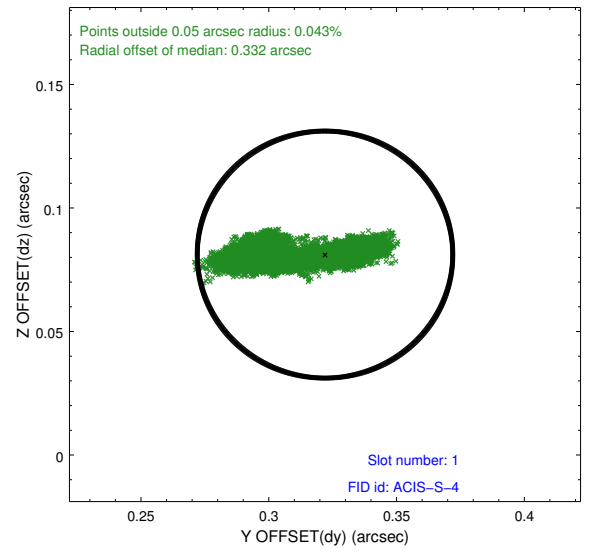
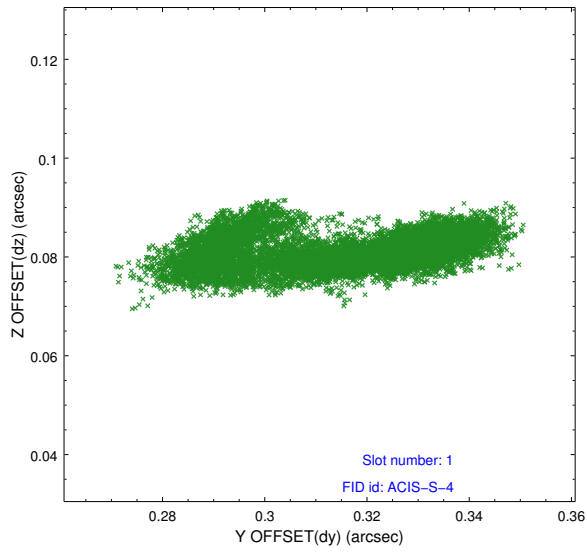


2.5 FID Slots

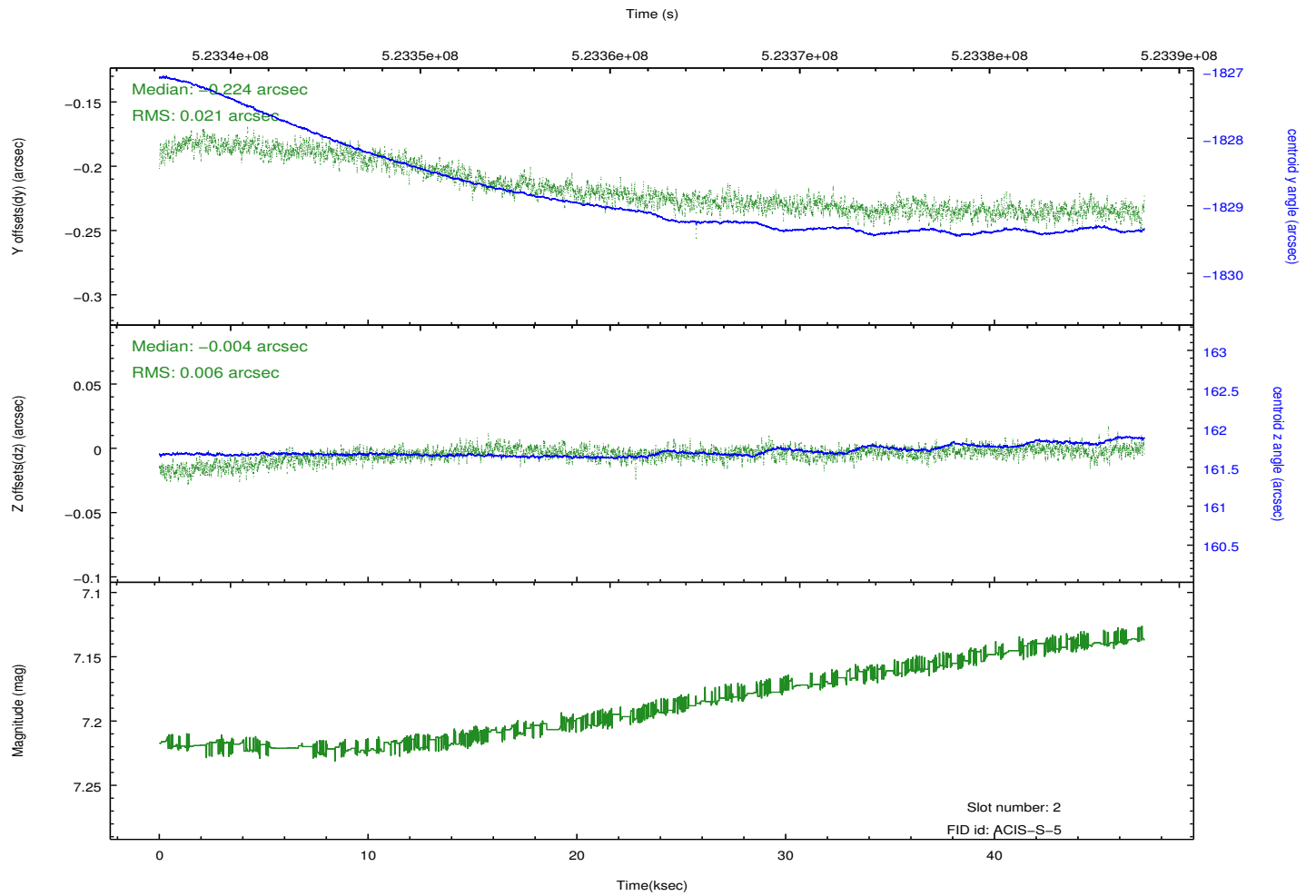
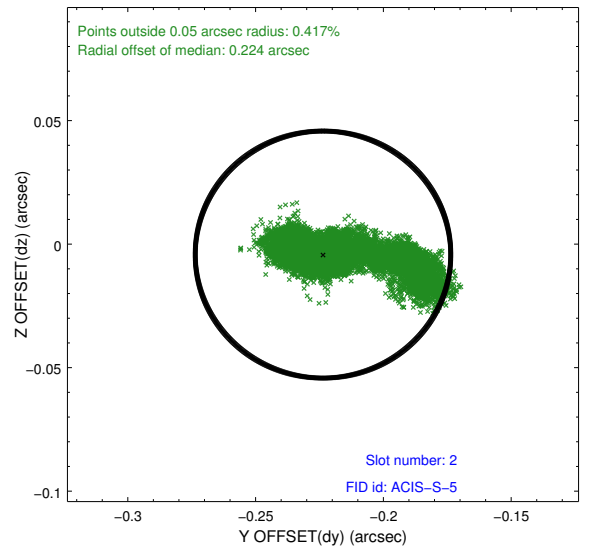
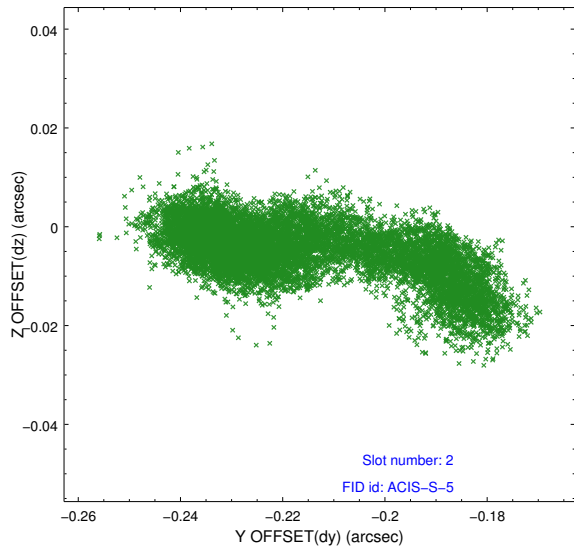
2.5.1 Slot 0



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)	2014.08.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	47.069197194457

A.2 Comments

Joint proposal with NRAO. Time constraint met. Roll preference met.