

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18126 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 29 2016

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1 Front

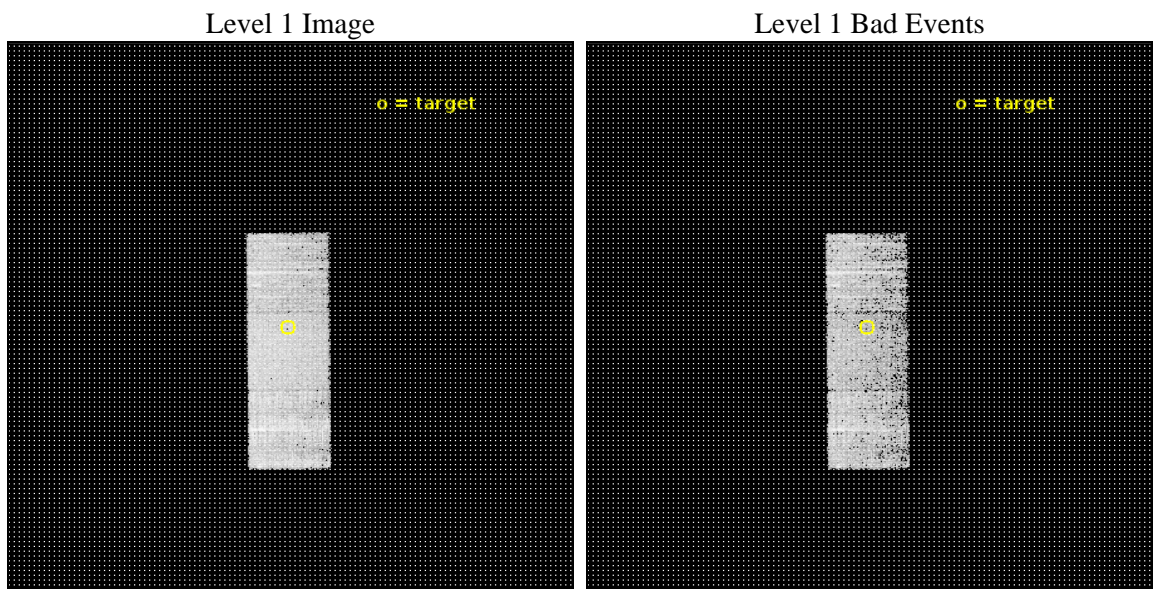
seq_num	703192	Sequence number
obs_id	18126	Observation id
title	X-RAYING FORNAX	Proposal title
observer	Elena Gallo	Principal investigator
object	fcc63	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	52.0275	Observer's specified target RA [deg]
dec_targ	-32.286111	Observer's specified target Dec [deg]
ra_nom	52.023666600383	Nominal RA [deg]
dec_nom	-32.283810553499	Nominal Dec [deg]
roll_nom	89.397118303812	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4913.5000379086	Sum of GTIs [s]
livetime	4849.3015426472	Livetime [s]
ontime6	4910.3590676785	Sum of GTIs [s]
ontime7	4913.5000379086	Sum of GTIs [s]
ontime8	4910.3590675592	Sum of GTIs [s]
l2events	25397	Number of level 2 events



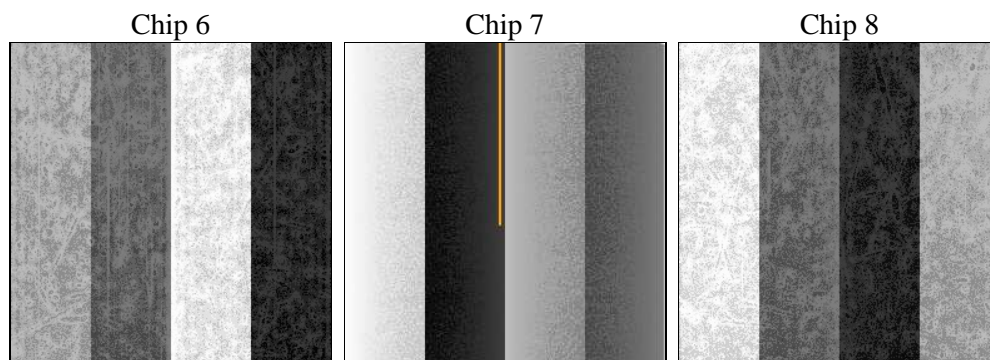
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4800.000000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	4913.5000379086	Sum of GTIs [s]
caldsver	4.7.2	 	ontime6	4910.3590676785	Sum of GTIs [s]
date	2016-08-30T03:38:49	Date and time of file creation	ontime7	4913.5000379086	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	4910.3590675592	Sum of GTIs [s]
			l1events	120098	Number of level 1 events

2.1.4 Events

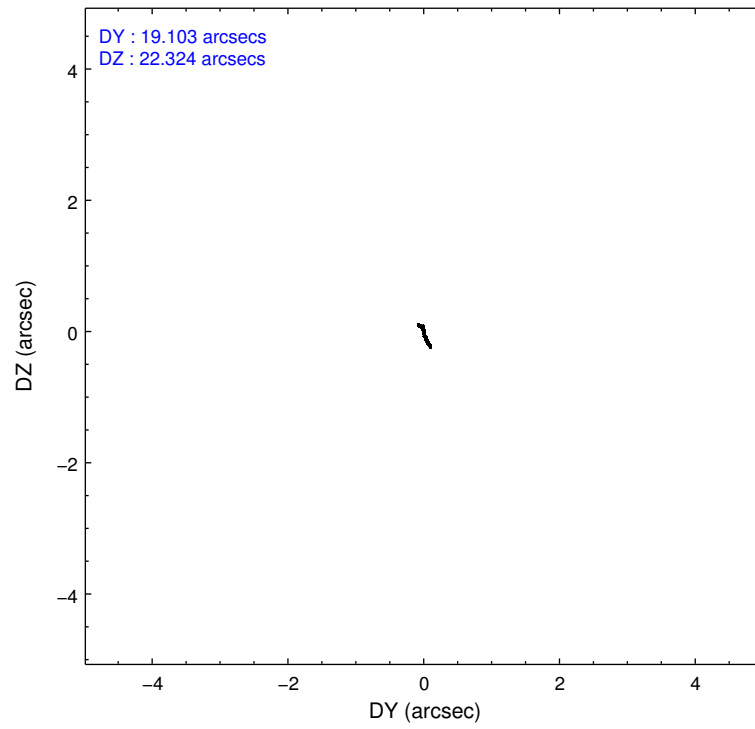
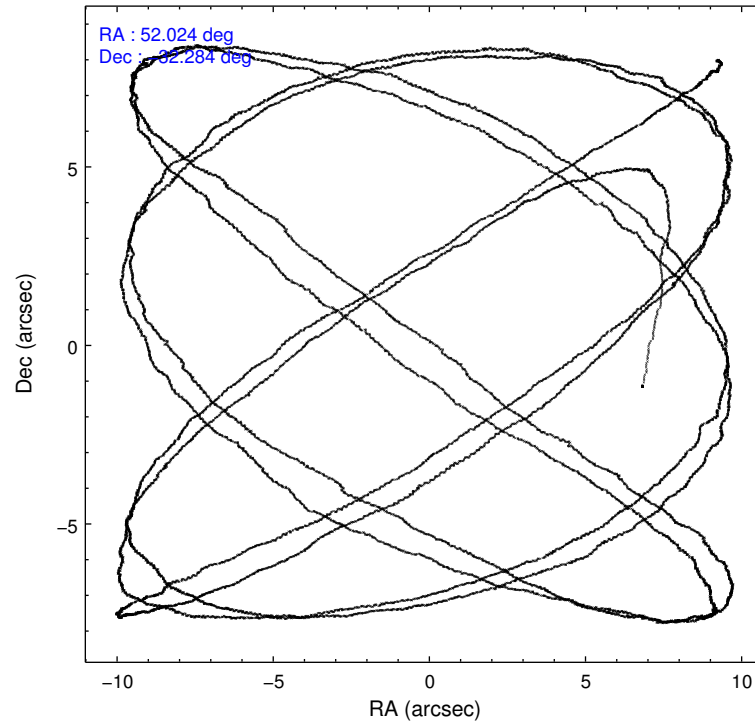
	ccd 6	ccd 7	ccd 8
level 1 events	33802	41950	44346
rejected events	29994	23406	31795
rejected %	88%	55%	71%

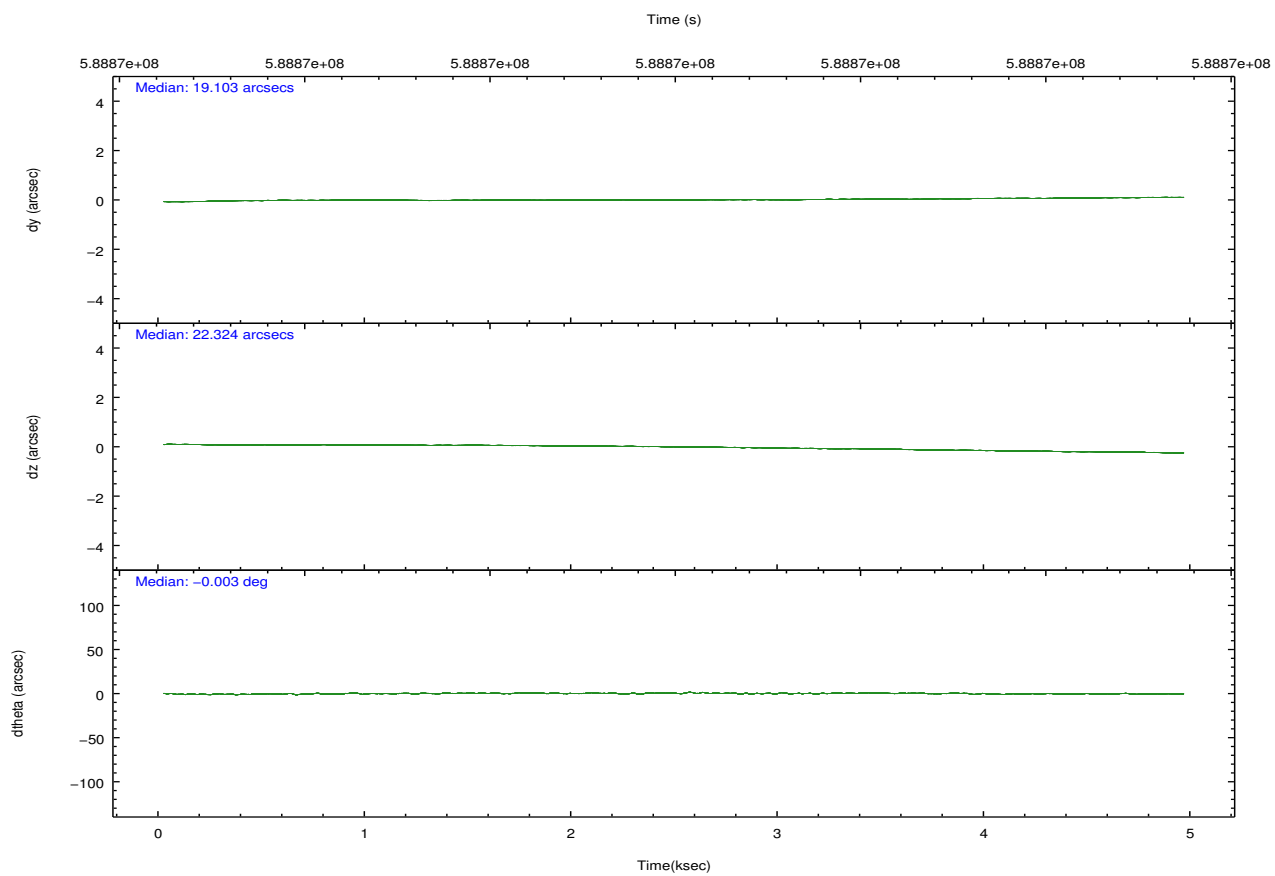
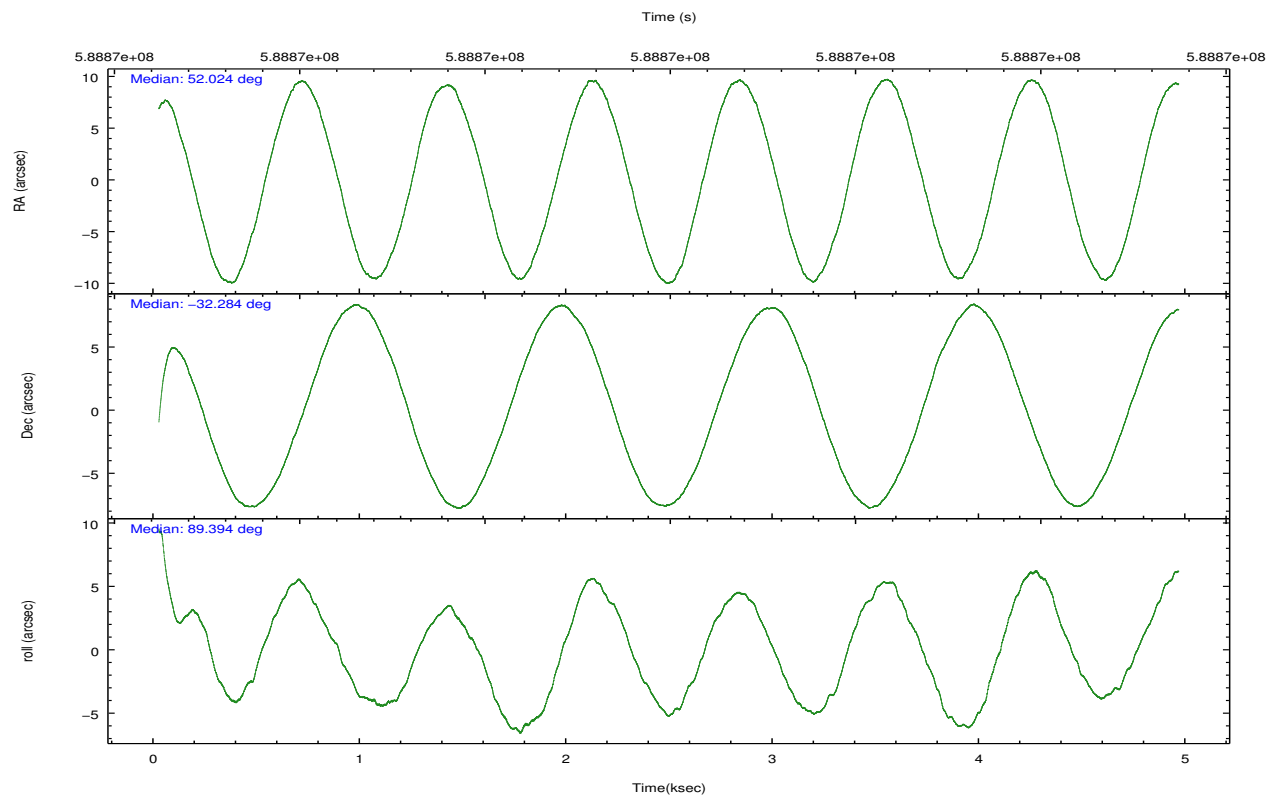
	ccd 6	ccd 7	ccd 8
grade 0 events	1272	1595	3589
	3%	3%	8%
grade 1 events	16	62	31
	0%	0%	0%
grade 2 events	904	3882	3059
	2%	9%	6%
grade 3 events	383	1512	1283
	1%	3%	2%
grade 4 events	350	1576	1201
	1%	3%	2%
grade 5 events	1603	4336	2496
	4%	10%	5%
grade 6 events	902	9992	3422
	2%	23%	7%
grade 7 events	28372	18995	29265
	83%	45%	65%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	52.040007	52.02366660038315	CCD I2 on	N	N
[deg] Pointing Dec	-32.307509	-32.28381055349909	CCD I3 on	N	N
[deg] Pointing Roll	89.249211	89.39711830381199	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O2	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O1	Y
[s] Observation start time (MET)	588866667.184000	588865488.0933	CCD S5 on	N	N
Observation start date	2016-08-29T14:03:19	2016-08-29T13:44:48	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	588871467.184000	588872172.11868	On-chip summing requested	N	N
Observation end date	2016-08-29T15:23:19	2016-08-29T15:36:12	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



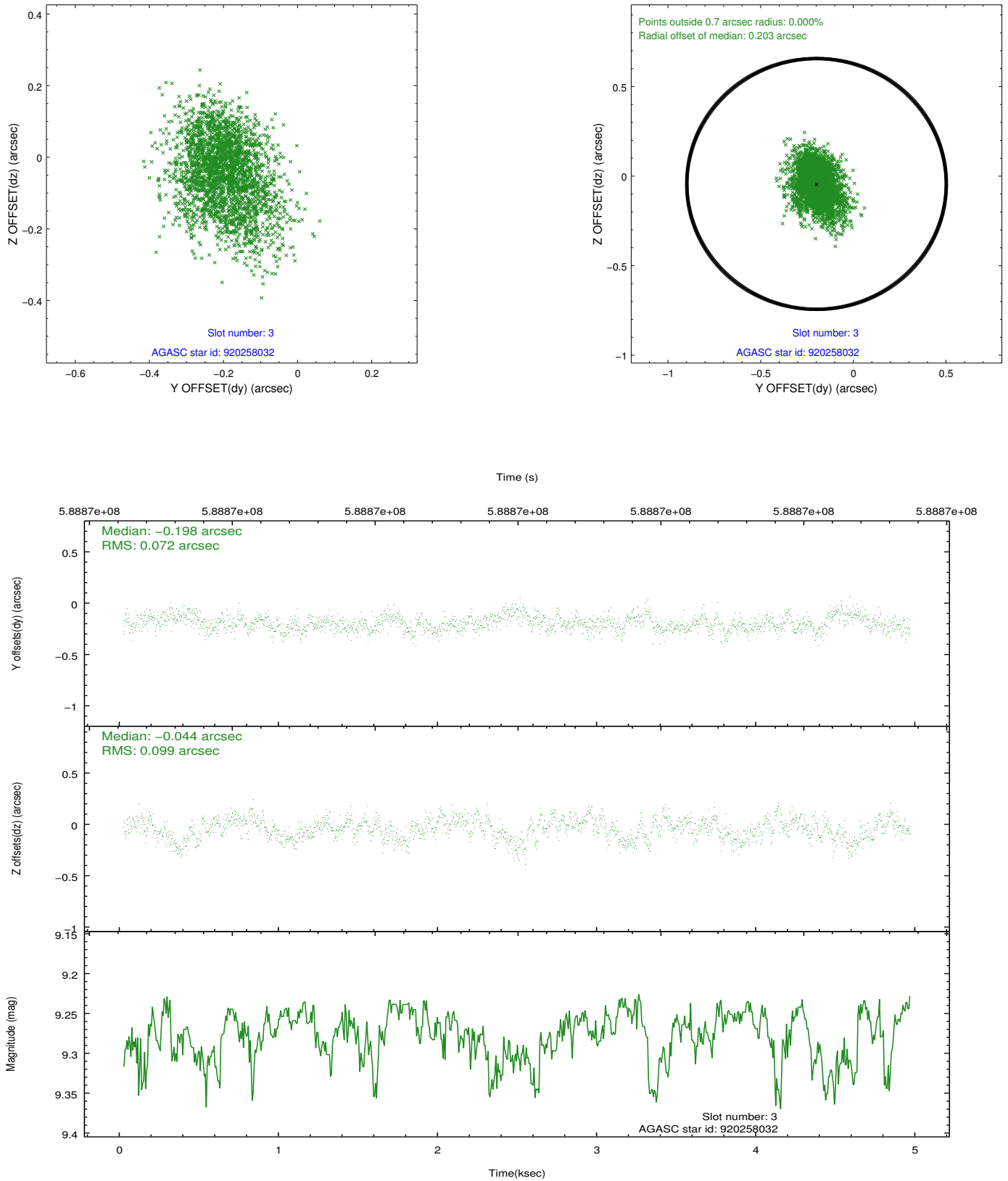


Slot Statistics

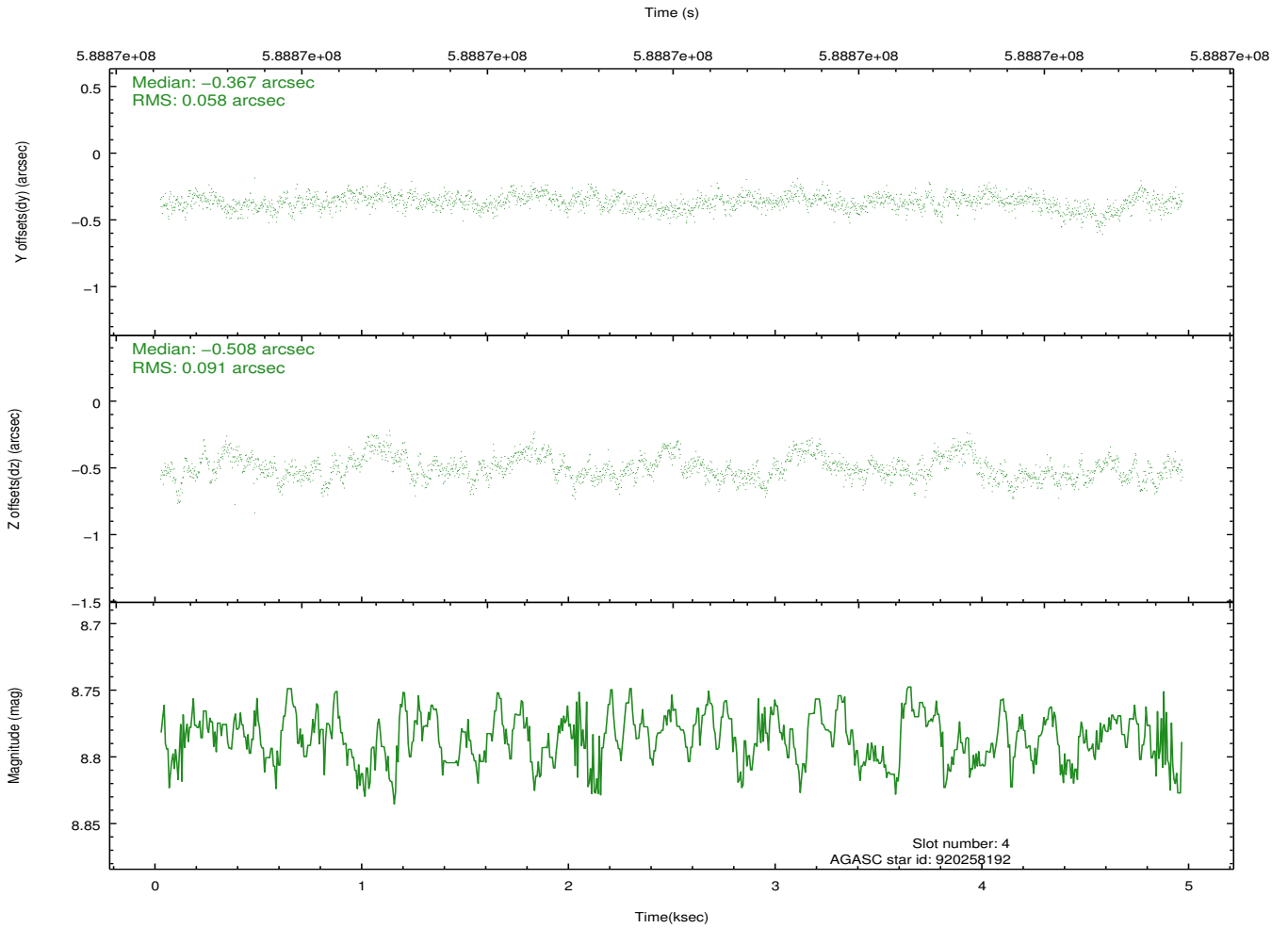
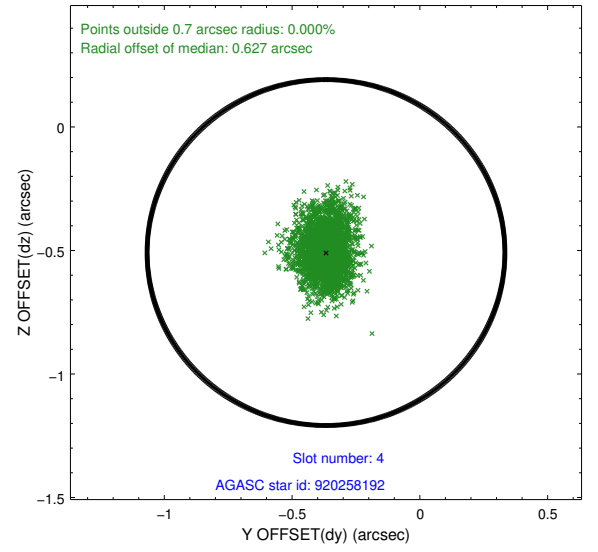
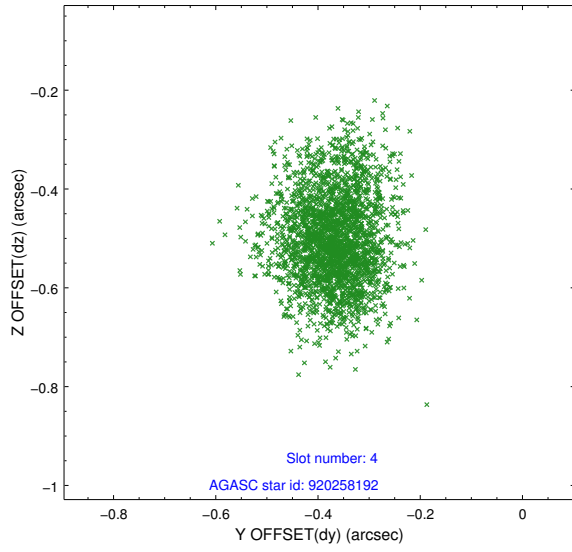
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.95	1206	-0.201	-0.129	0.010	0.018	0.000000	0.000000	-772.42	-1743.93
1	FID		ACIS-S-4	7.06	1206	0.459	0.131	0.006	0.013	0.000000	0.000000	2140.97	163.49
2	FID		ACIS-S-5	7.06	1206	-0.289	0.007	0.010	0.017	0.000000	0.000000	-1823.75	158.48
3	GUIDE	used	920258032	9.28	2409	-0.198	-0.044	0.131	0.214	51.662760	-32.075657	817.75	1161.77
4	GUIDE	used	920258192	8.78	2407	-0.367	-0.508	0.113	0.192	51.530930	-31.661232	2302.70	1590.62
5	GUIDE	used	920264768	8.54	2412	-0.134	-0.051	0.127	0.196	52.326767	-31.671181	2302.44	-847.45
6	GUIDE	used	920654336	8.18	2410	0.350	0.307	0.100	0.159	52.710621	-32.505432	-690.24	-2045.15
7	GUIDE	used	920655384	8.95	2408	0.350	0.295	0.113	0.181	52.466605	-32.638291	-1175.45	-1309.77

2.4 Star Slots

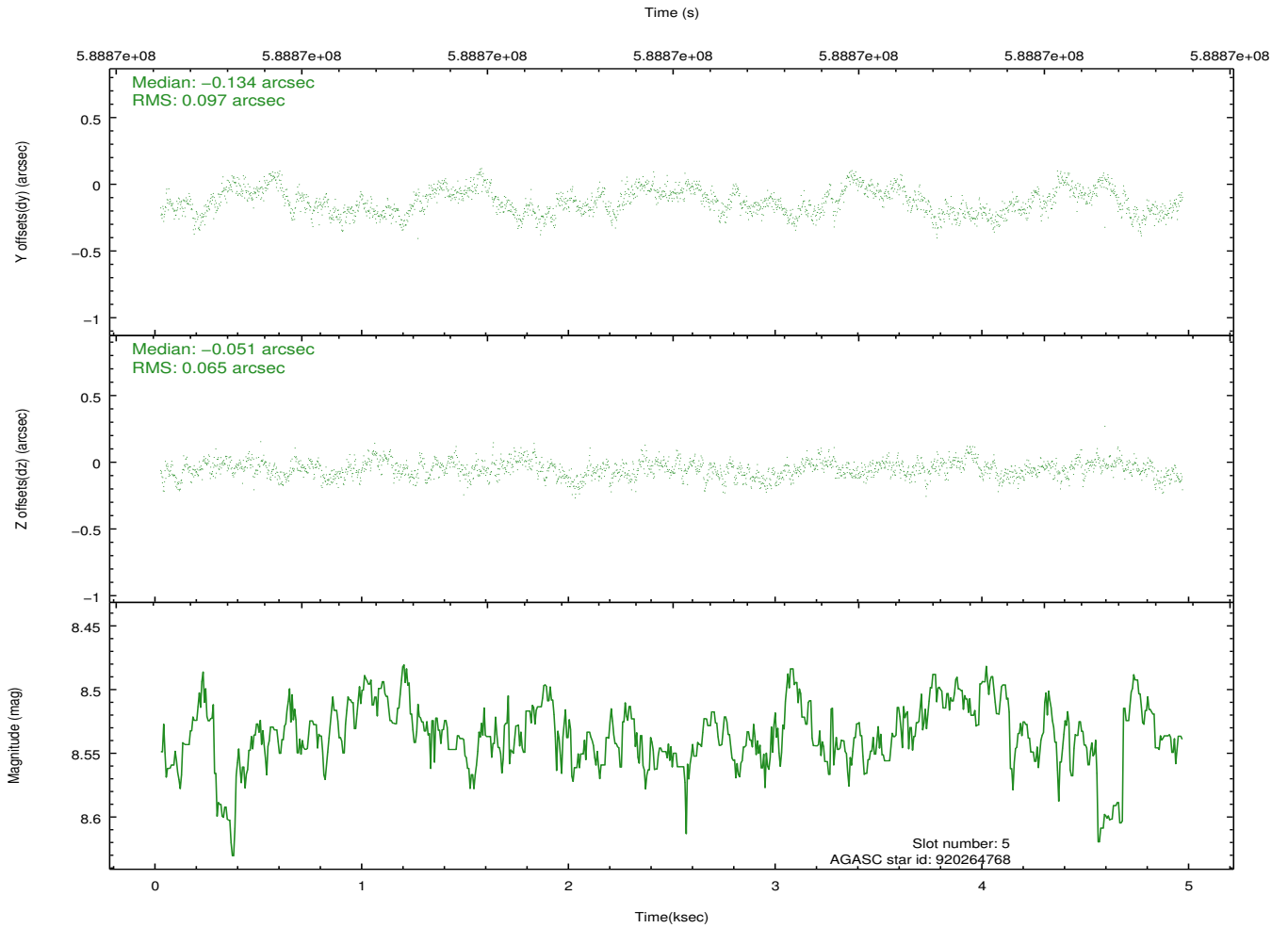
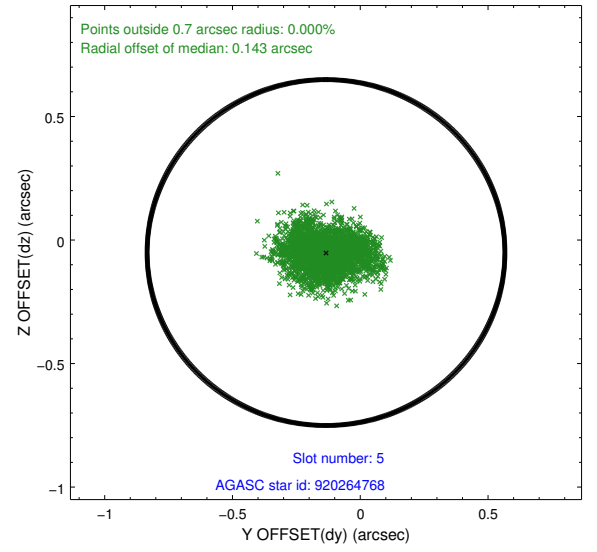
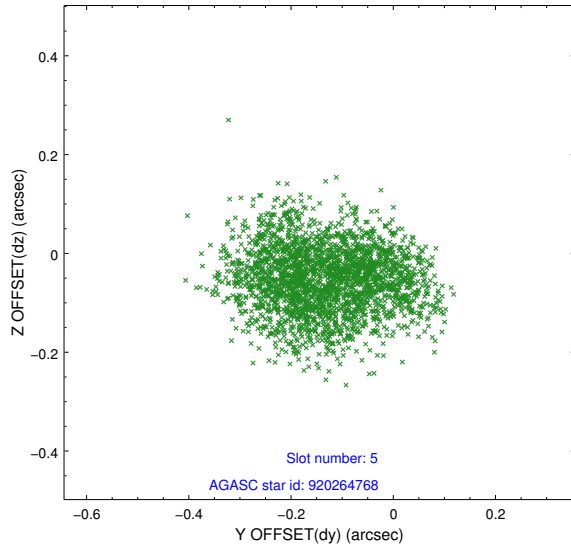
2.4.1 Slot 3



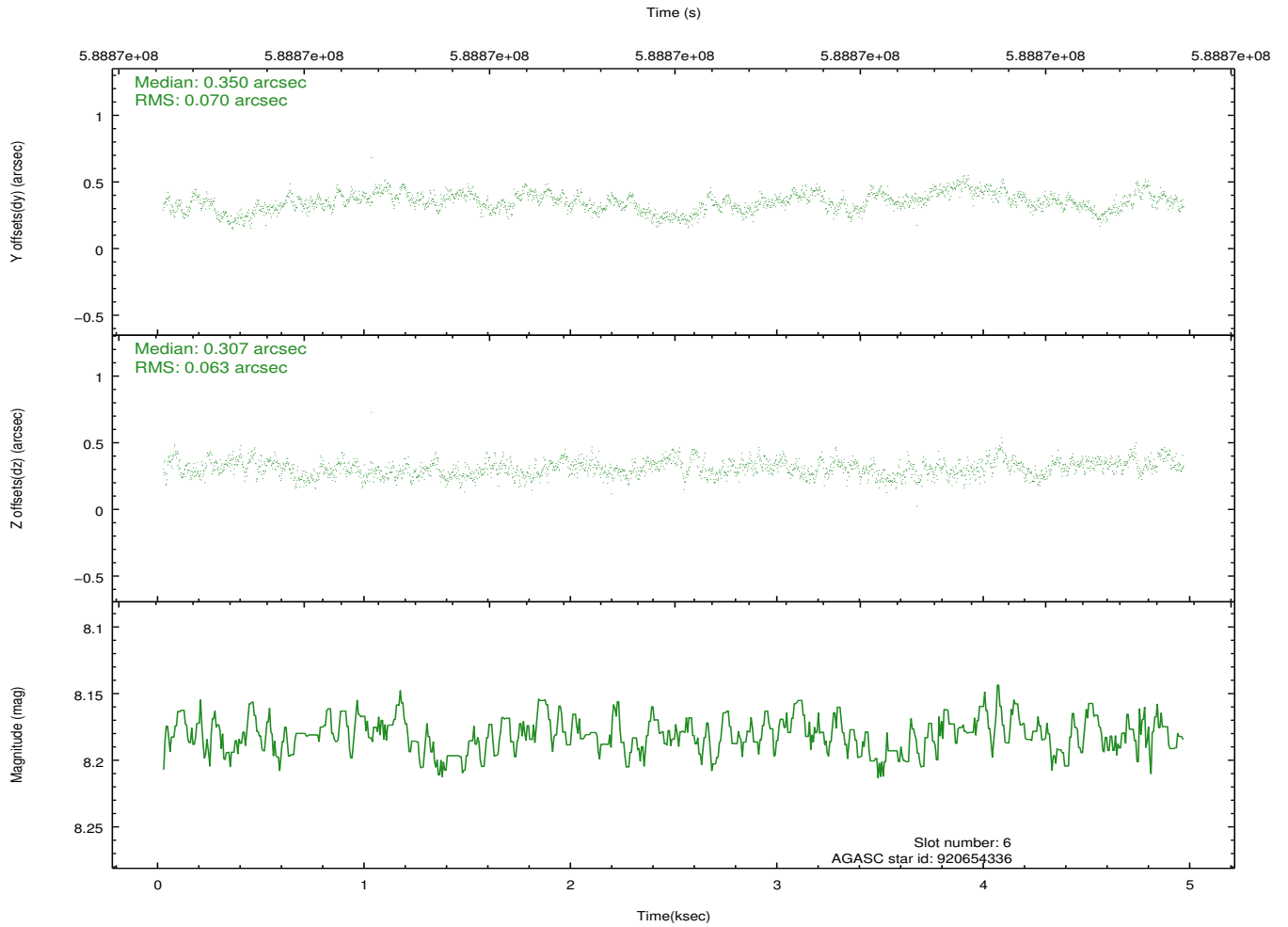
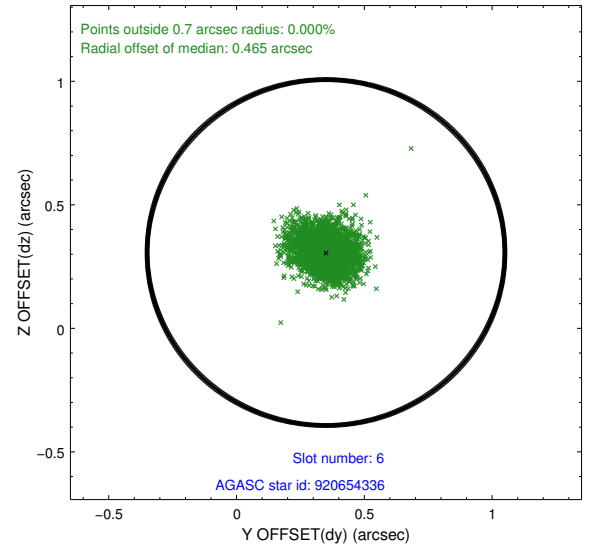
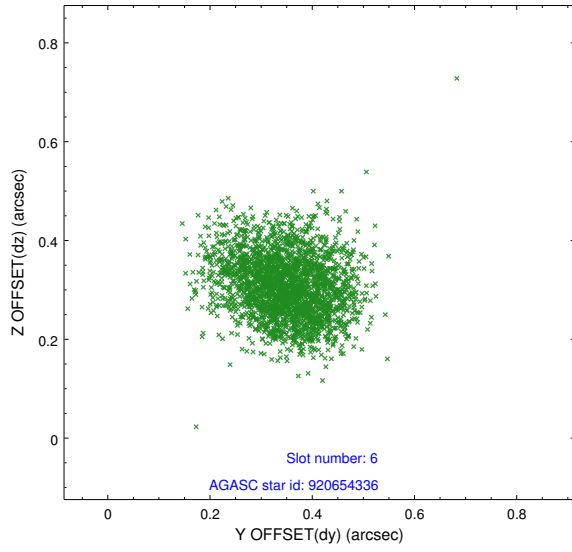
2.4.2 Slot 4



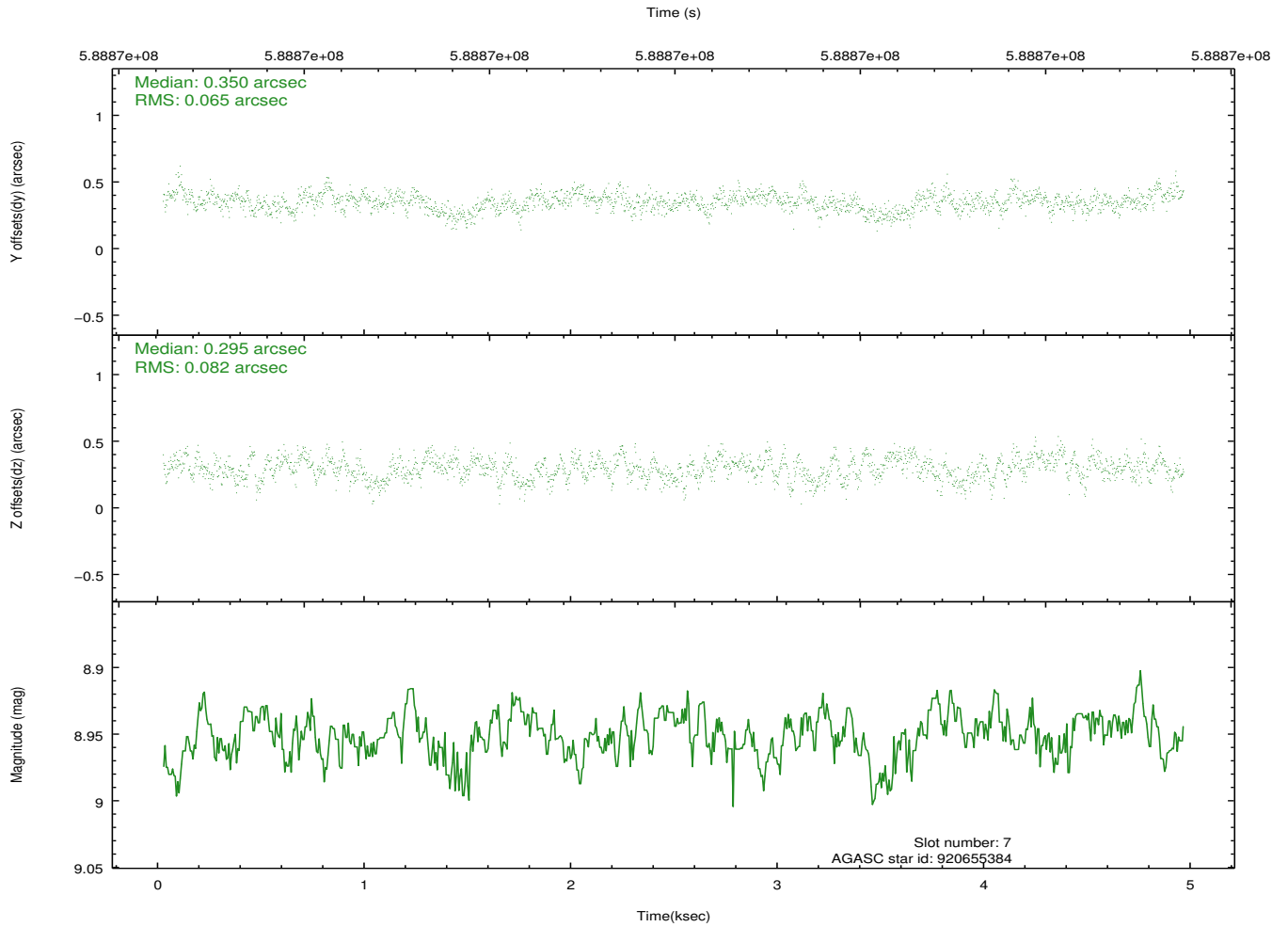
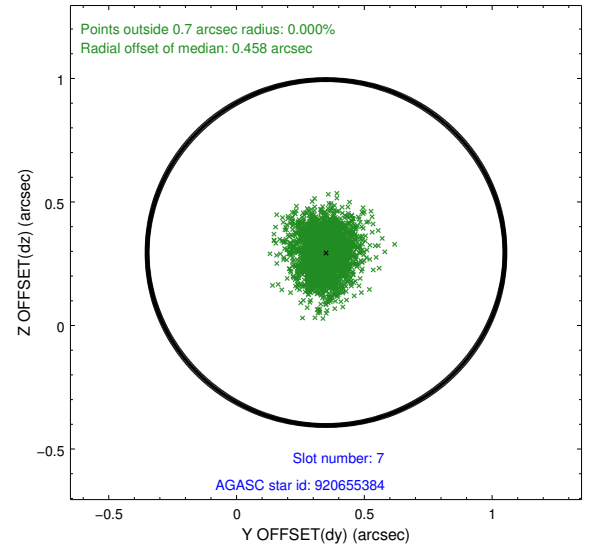
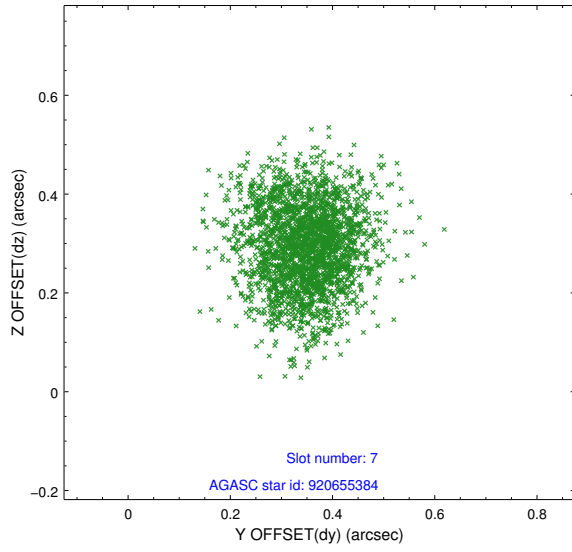
2.4.3 Slot 5



2.4.4 Slot 6

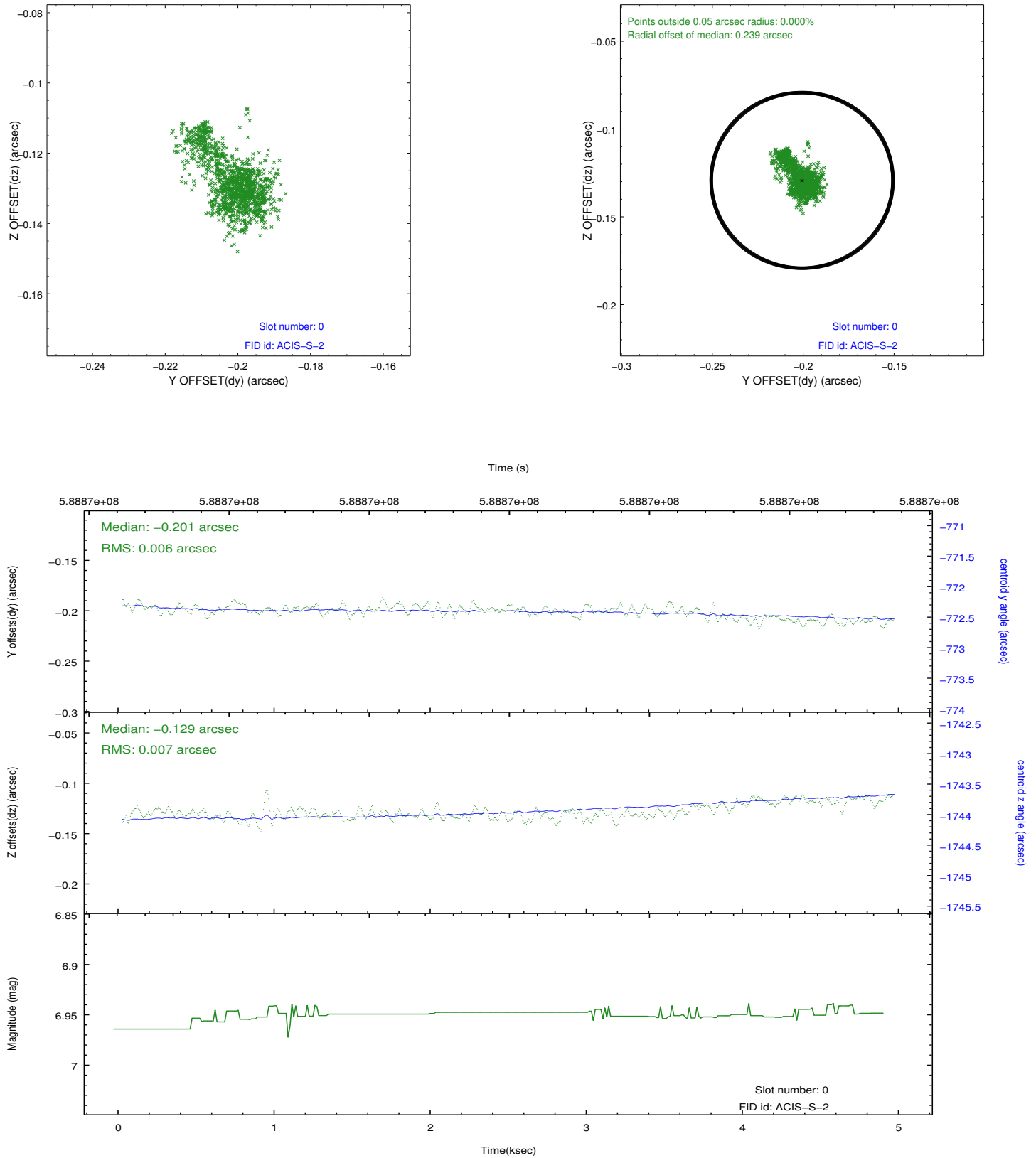


2.4.5 Slot 7

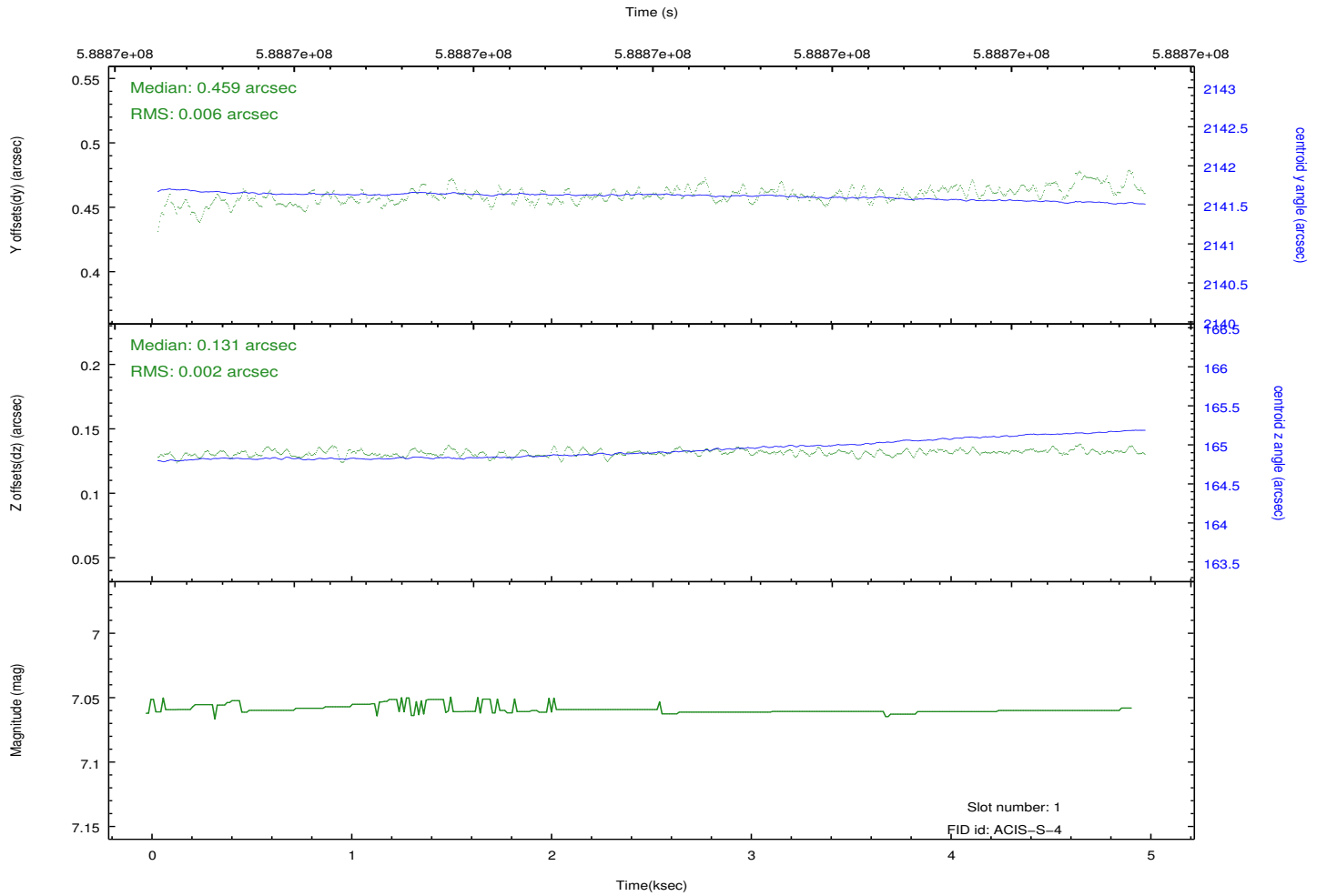
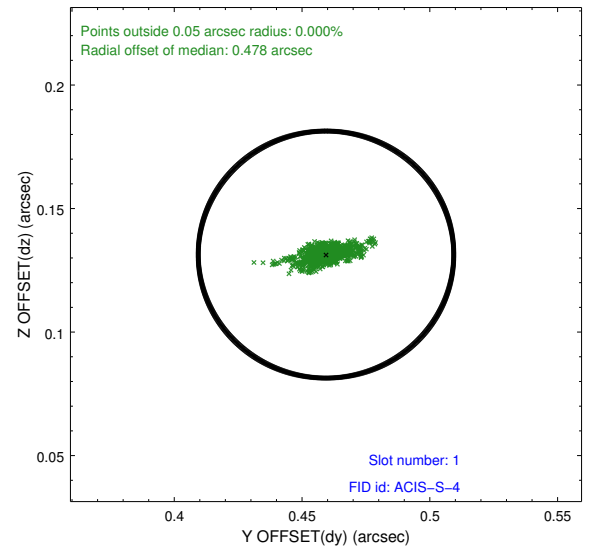
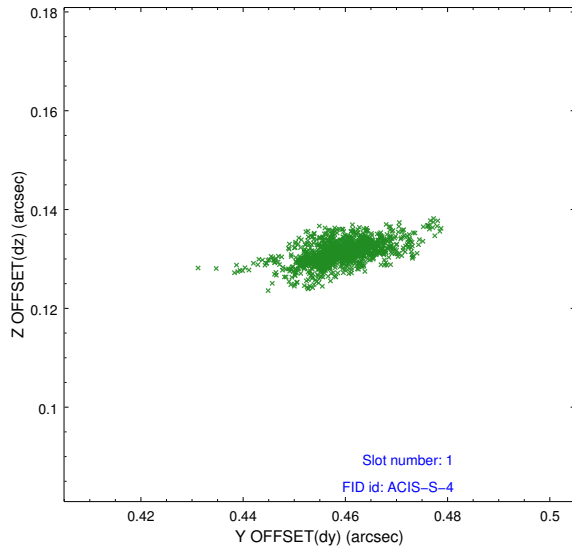


2.5 FID Slots

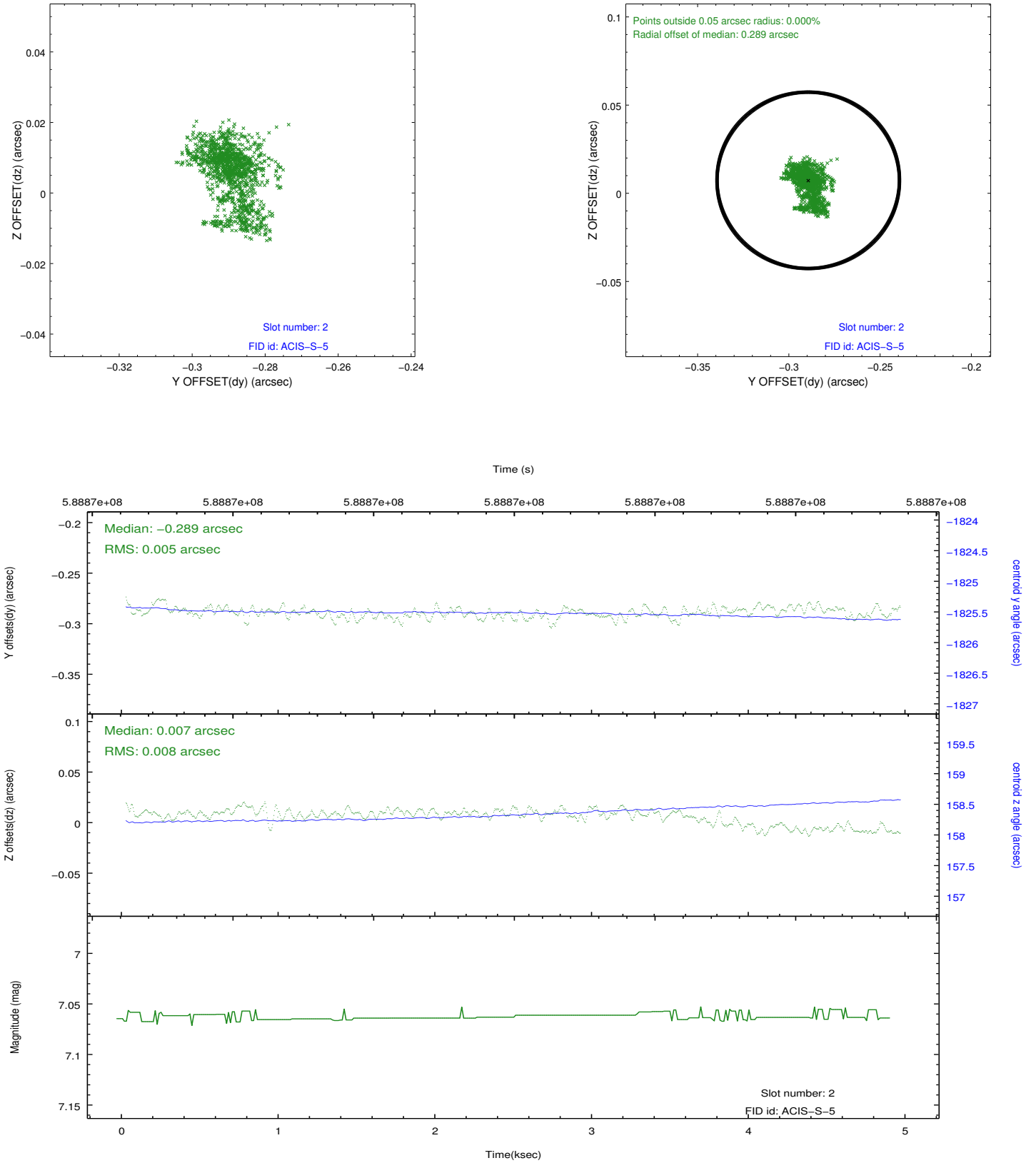
2.5.1 Slot 0



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)	2016.08.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.9135000379086

A.2 Comments