

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18103 - L2 Version 1
Chandra X-Ray Center

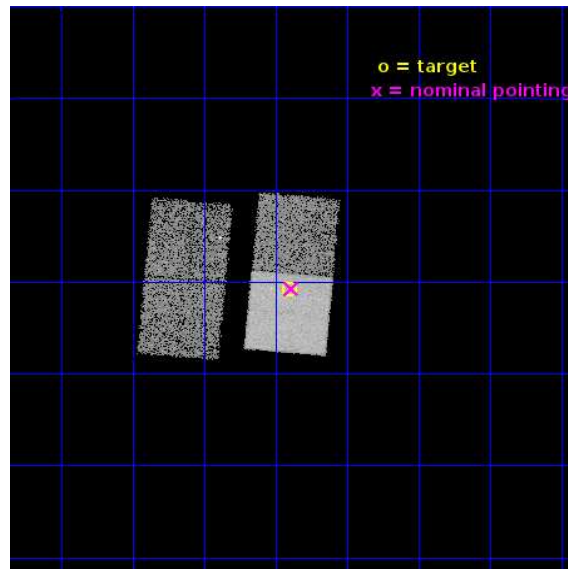
L2 Processing Date : Mar 28 2016

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1 Front

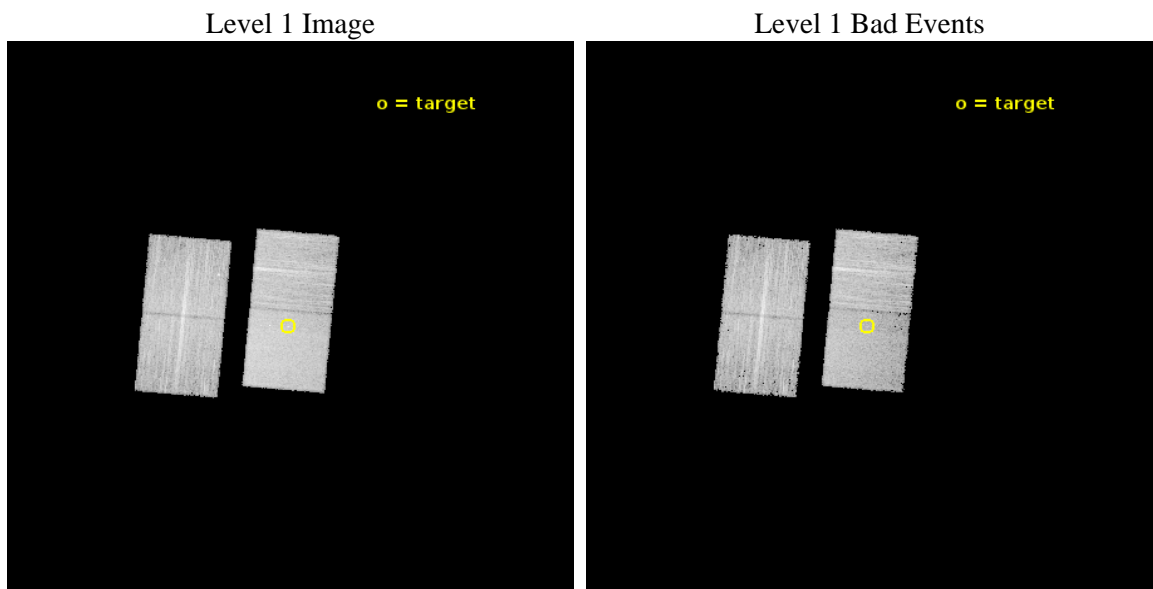
seq_num	703169	Sequence number
obs_id	18103	Observation id
title	Extending the Extragalactic 3CR Chandra Survey to z=1.5	Proposal t
observer	Francesco Massaro	Principal investigator
object	3CR 297	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	214.349583	Observer's specified target RA [deg]
dec_targ	-4.012917	Observer's specified target Dec [deg]
ra_nom	214.34689720802	Nominal RA [deg]
dec_nom	-4.0122876531511	Nominal Dec [deg]
roll_nom	95.156400669729	Nominal Roll [deg]
revision	1	Processing version of data
ontime	12507.783301115	Sum of GTIs [s]
livetime	12344.35990419	Livetime [s]
ontime2	12507.660181165	Sum of GTIs [s]
ontime3	12507.701221108	Sum of GTIs [s]
ontime6	12504.601120353	Sum of GTIs [s]
ontime7	12507.783301115	Sum of GTIs [s]
l2events	62017	Number of level 2 events



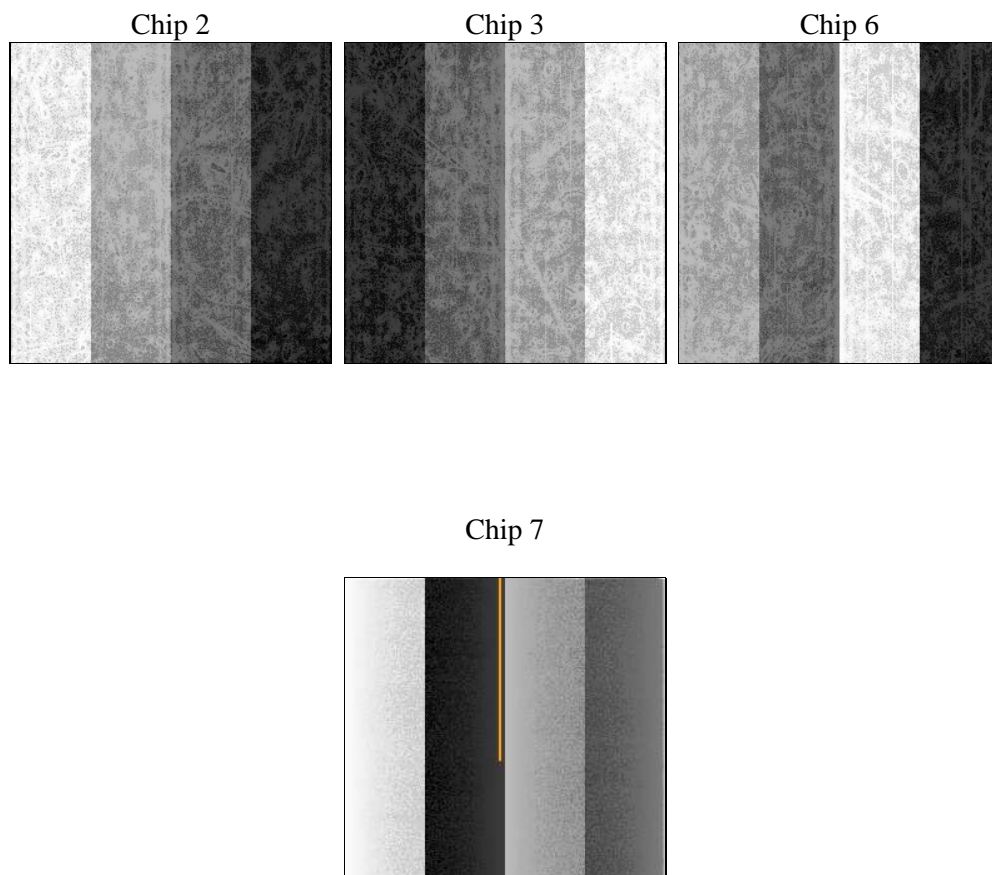
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	12442.851000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	12507.783301115	Sum of GTIs [s]
caldsver	4.7.1	 	ontime2	12507.660181165	Sum of GTIs [s]
date	2016-03-28T13:22:21	Date and time of file creation	ontime3	12507.701221108	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	12504.601120353	Sum of GTIs [s]
			ontime7	12507.783301115	Sum of GTIs [s]
			l1events	332426	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	78472	73616	81370	98968
rejected events	70401	65881	72781	57067
rejected %	89%	89%	89%	57%

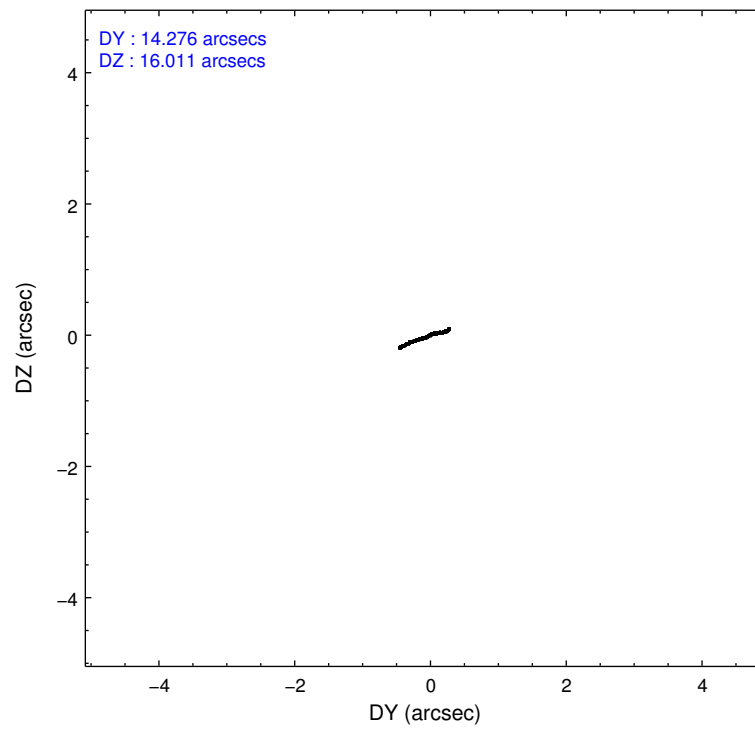
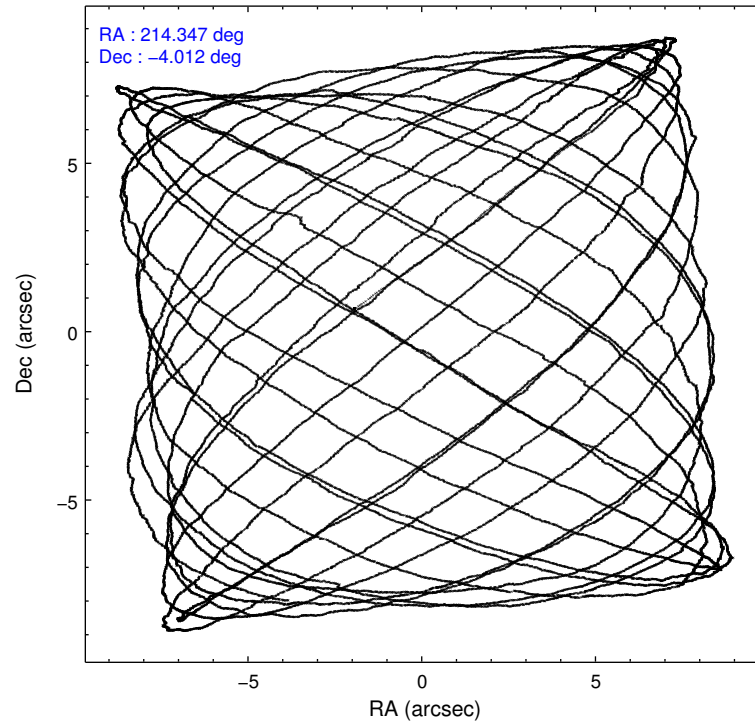
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2966	2600	2555	3261
	3%	3%	3%	3%
grade 1 events	47	34	32	135
	0%	0%	0%	0%
grade 2 events	1798	1674	2221	8831
	2%	2%	2%	8%
grade 3 events	833	830	830	2954
	1%	1%	1%	2%
grade 4 events	823	857	767	3025
	1%	1%	0%	3%
grade 5 events	2868	3556	3262	9202
	3%	4%	4%	9%
grade 6 events	1661	1779	2219	23859
	2%	2%	2%	24%
grade 7 events	67476	62286	69484	47701
	85%	84%	85%	48%

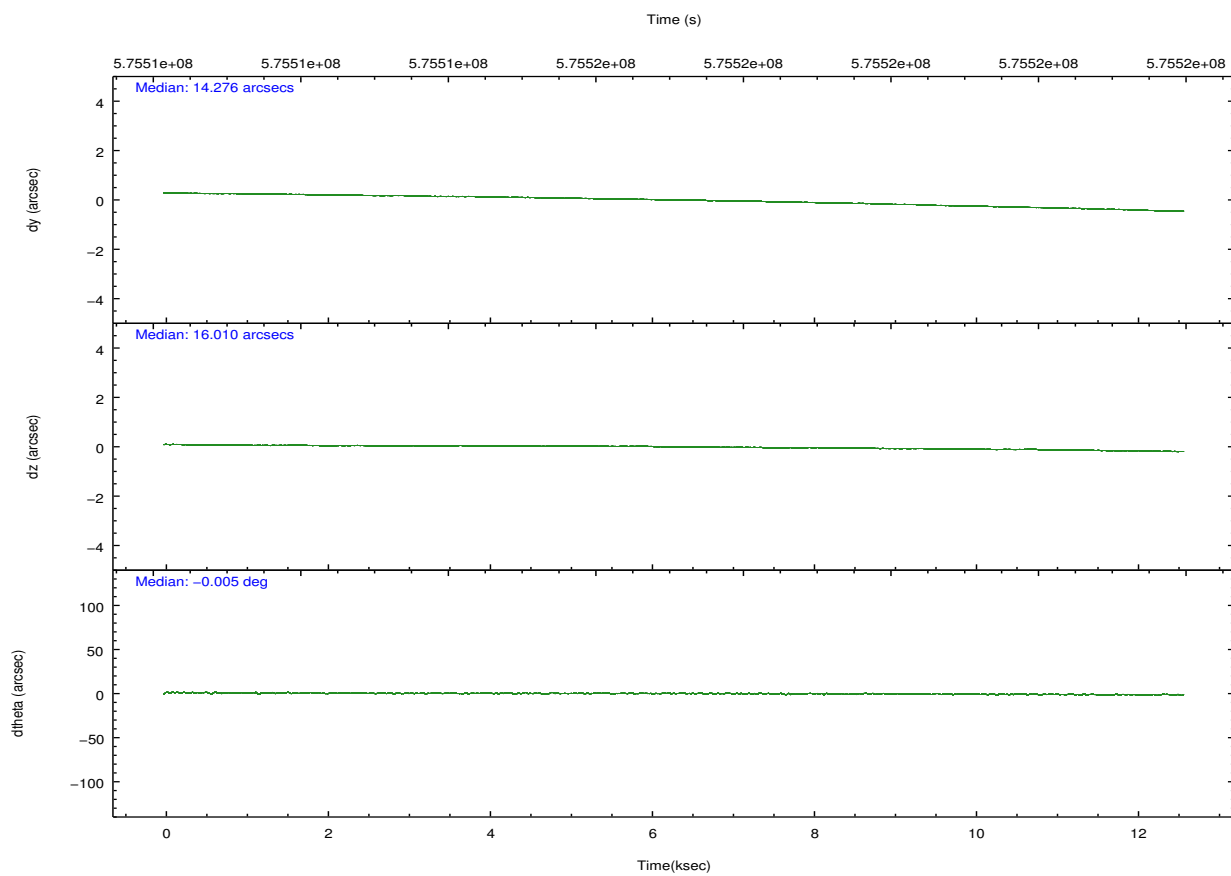
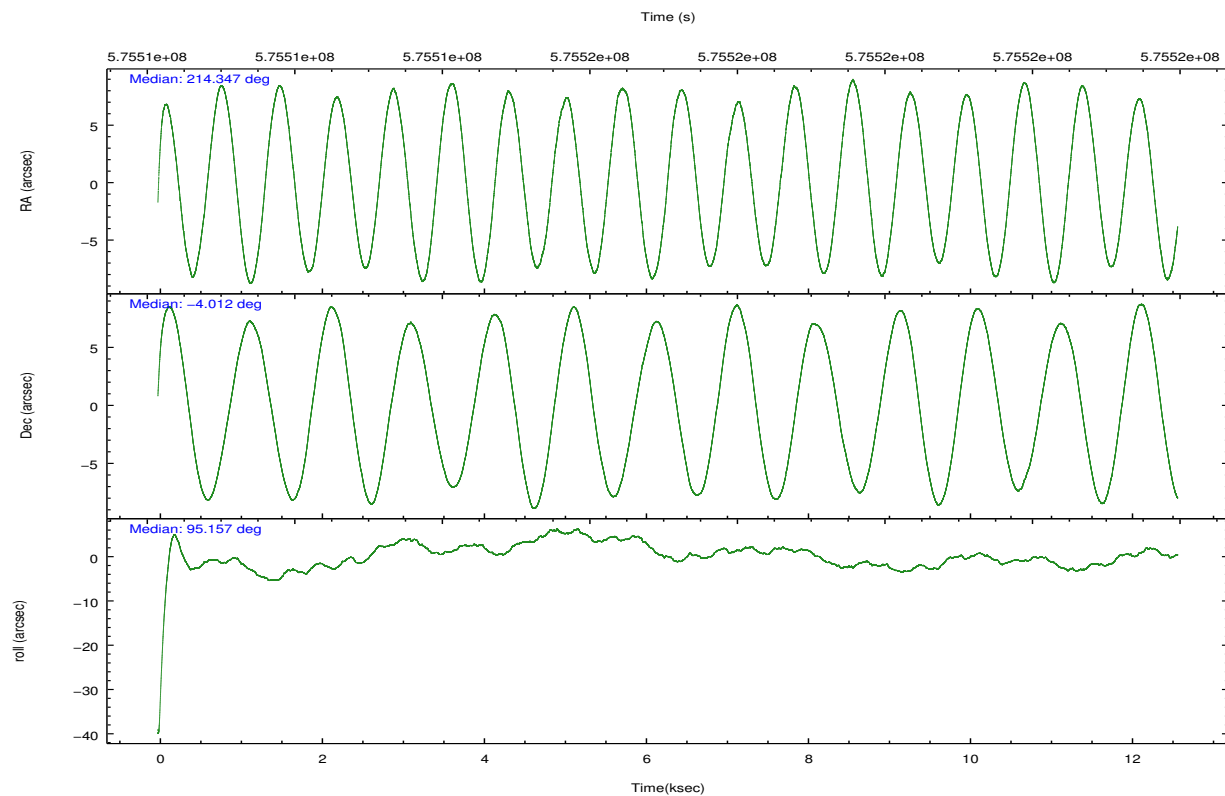
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-2367	ACIS-2367
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	214.363064	214.3468972080203
[deg] Pointing Dec	-4.034543	-4.012287653151115
[deg] Pointing Roll	95.000951	95.15640066972941
[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)	575510900.184000	575509921.8281699
Observation start date	2016-03-28T00:07:12	2016-03-27T23:52:01
[s] Observation end time (MET)	575523343.184000	575523568.16645
Observation end date	2016-03-28T03:34:35	2016-03-28T03:39:28
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	N	N
CCD I1 on	N	N
CCD I2 on	O1	Y
CCD I3 on	O2	Y
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	Y	Y
CCD S3 on	Y	Y
CCD S4 on	N	N
CCD S5 on	N	N
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



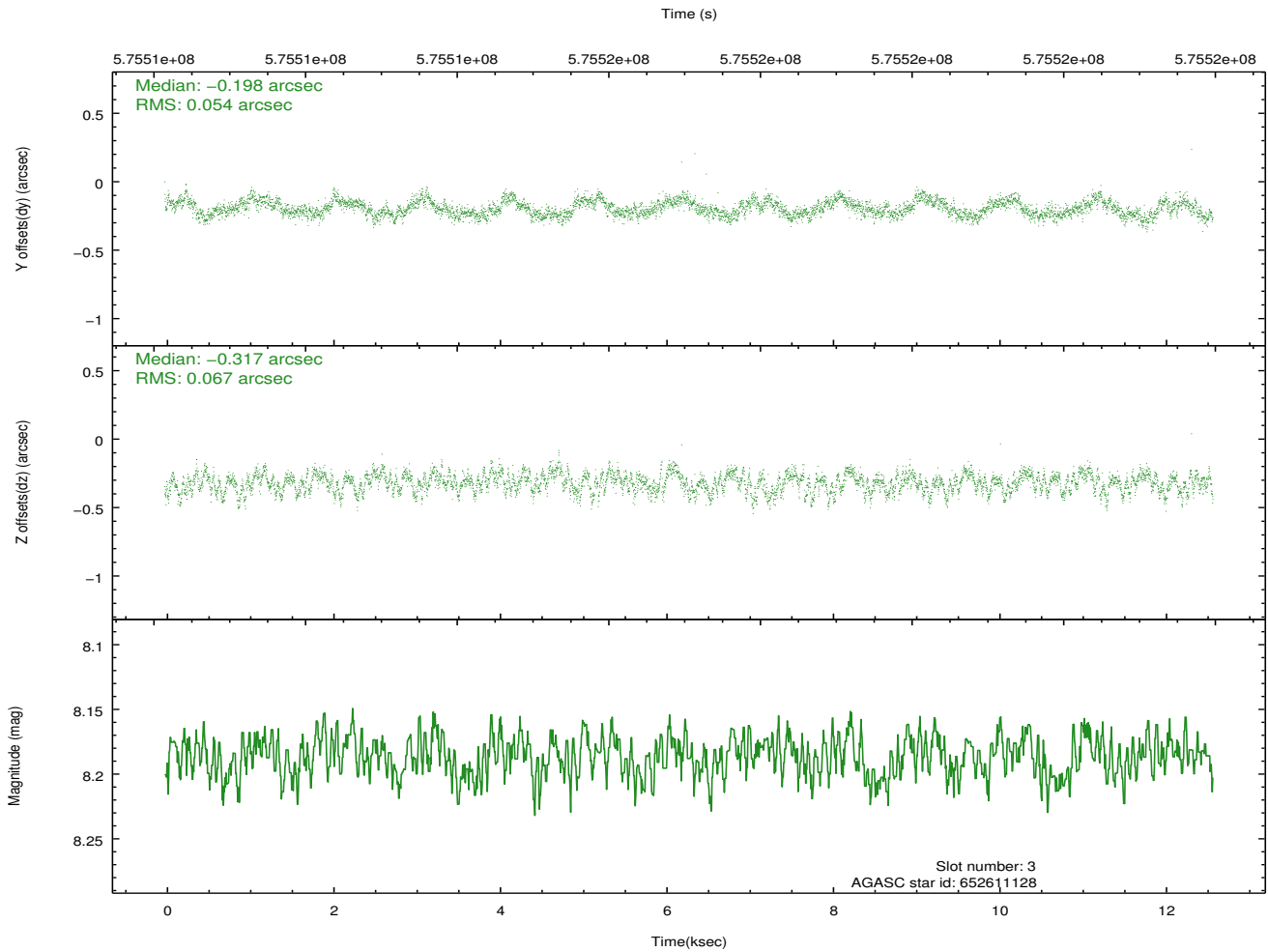
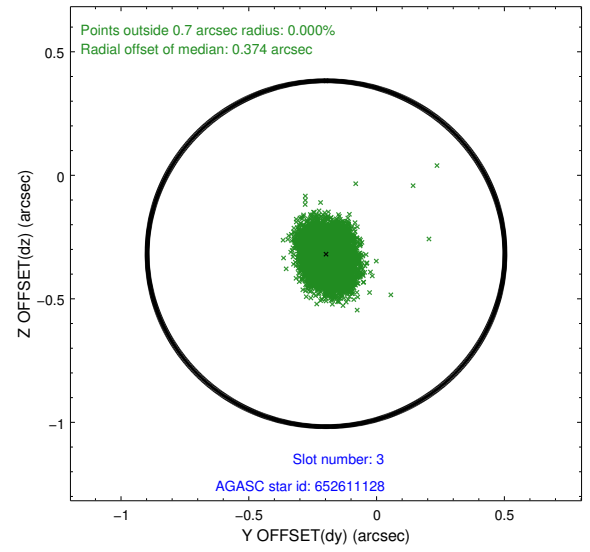
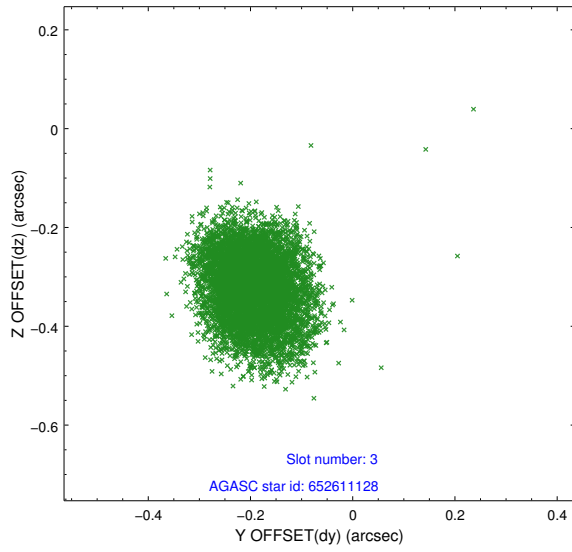


Slot Statistics

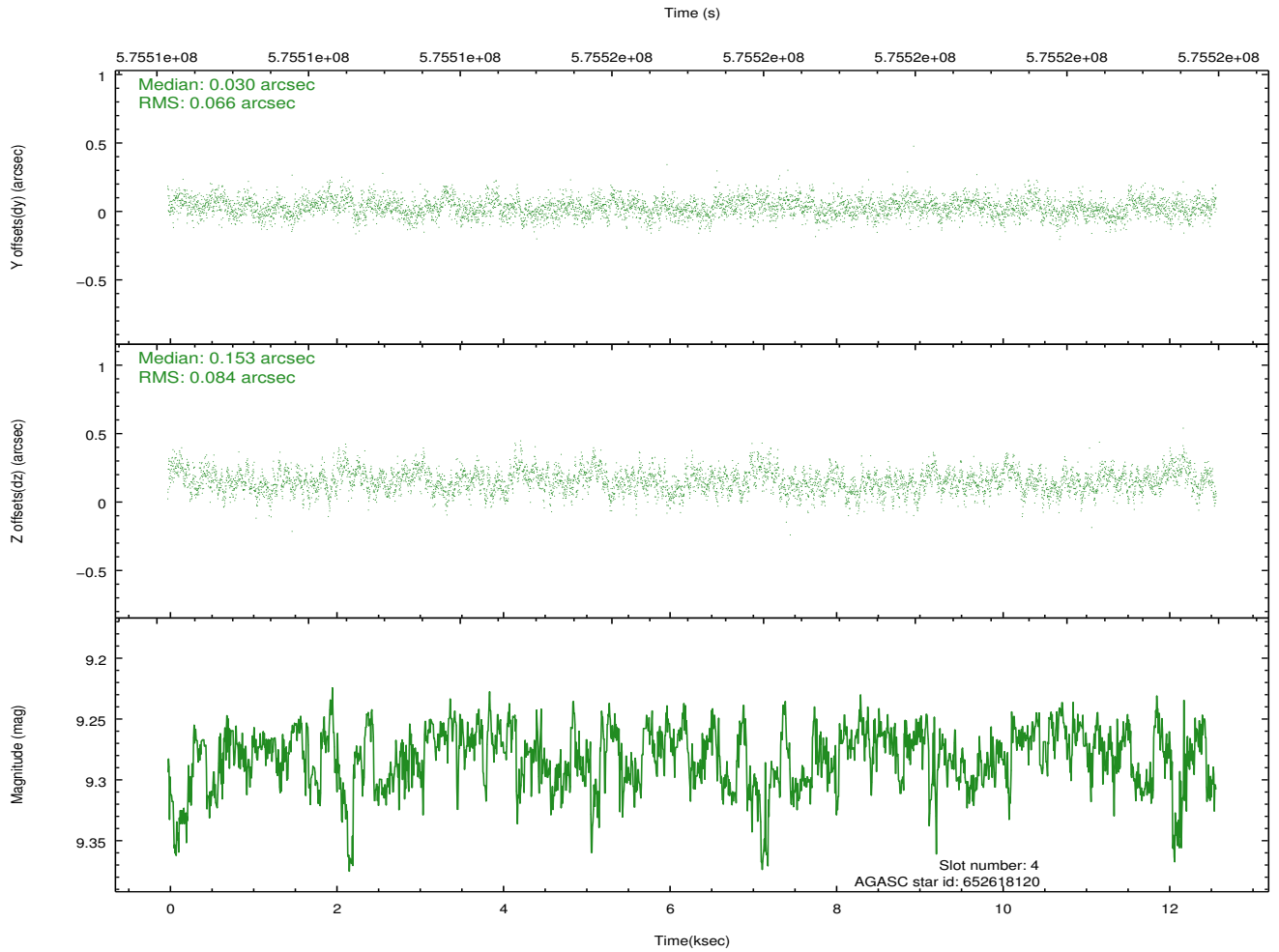
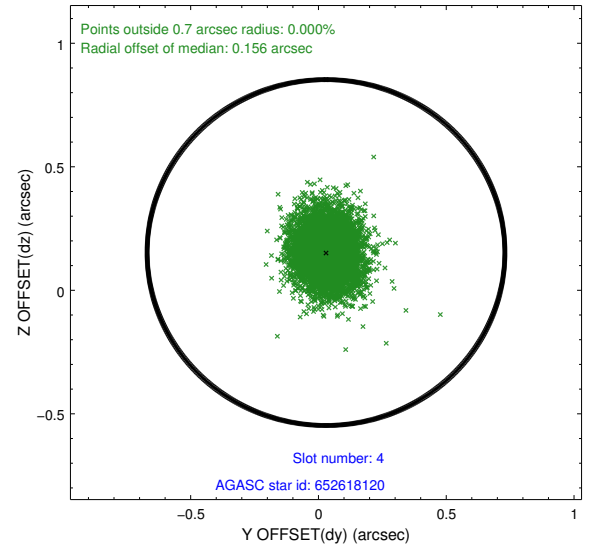
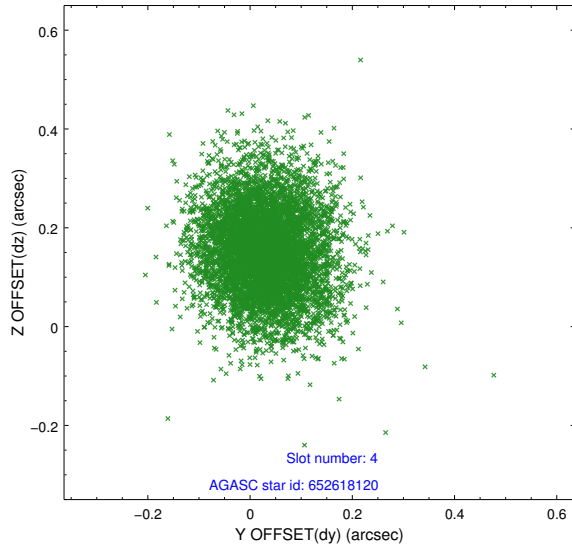
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.14	3071	-0.189	-0.085	0.011	0.019	0.000000	0.000000	-767.34	-1737.45
1	FID		ACIS-S-4	7.24	3071	0.477	0.114	0.009	0.017	0.000000	0.000000	2146.38	170.90
2	FID		ACIS-S-5	7.26	3070	-0.321	-0.019	0.007	0.011	0.000000	0.000000	-1819.86	164.79
3	GUIDE	used	652611128	8.19	6141	-0.198	-0.317	0.092	0.145	213.732515	-3.626183	1660.58	2130.97
4	GUIDE	used	652618120	9.28	6136	0.030	0.153	0.113	0.187	213.822862	-3.450769	2260.25	1749.76
5	GUIDE	used	652618288	8.61	6141	0.269	0.088	0.097	0.153	214.336326	-4.266057	-821.30	168.46
6	GUIDE	used	652618760	6.90	6142	0.036	0.022	0.072	0.115	214.261674	-4.328770	-1023.96	455.23
7	GUIDE	used	652618824	8.79	6137	-0.134	0.060	0.107	0.169	214.297926	-4.341585	-1081.21	329.40

2.4 Star Slots

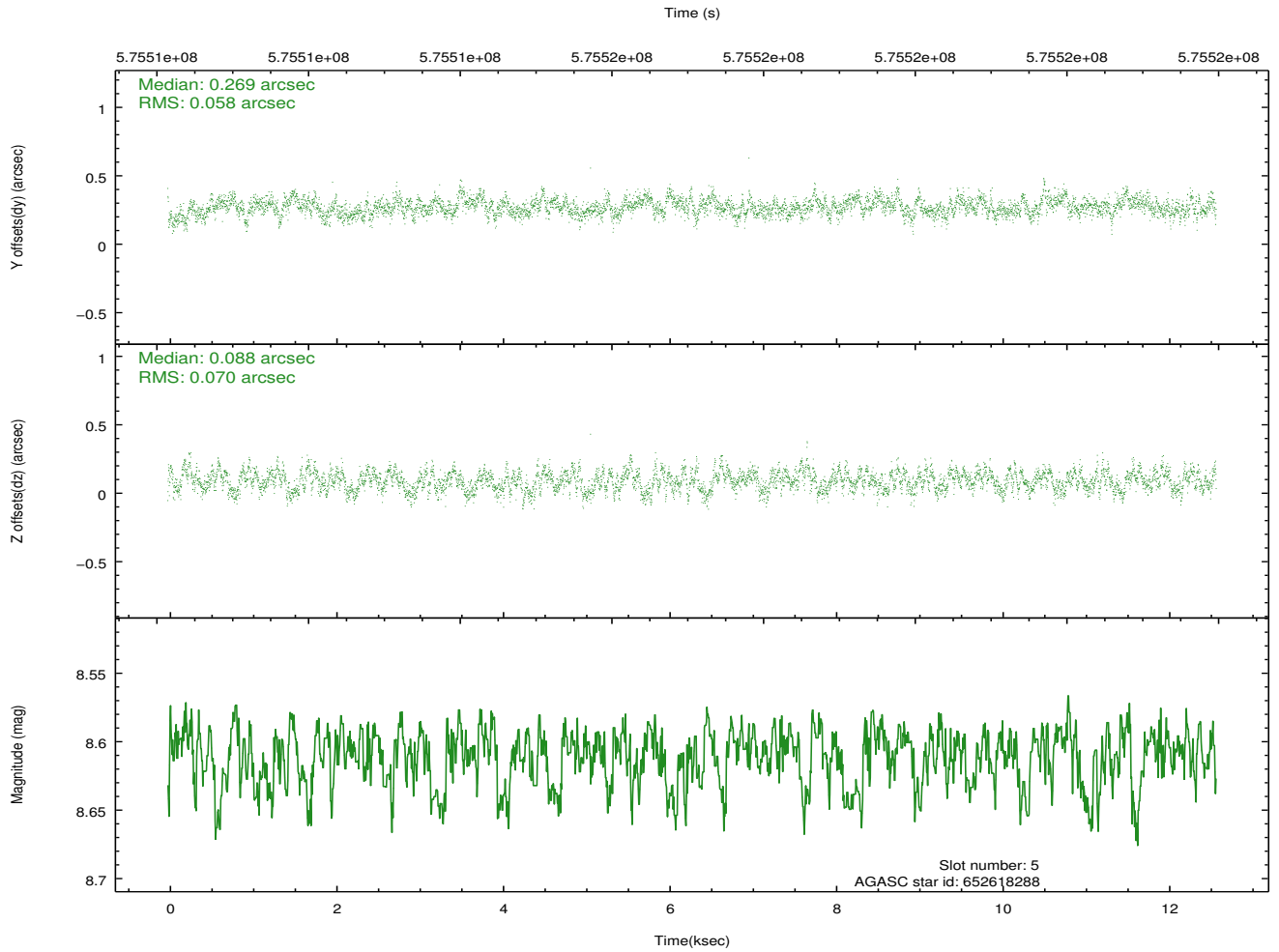
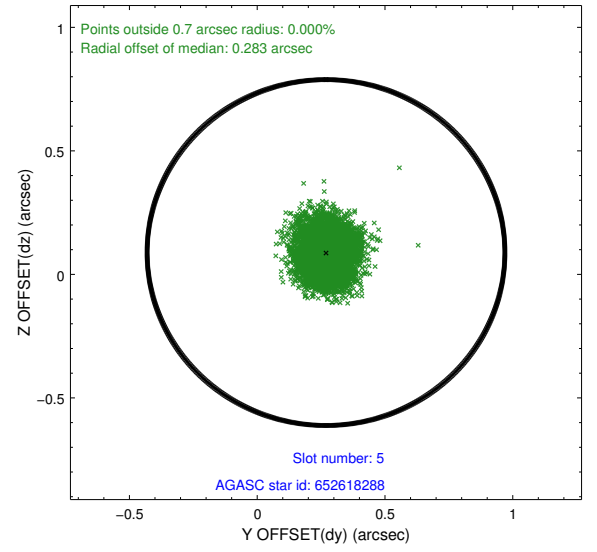
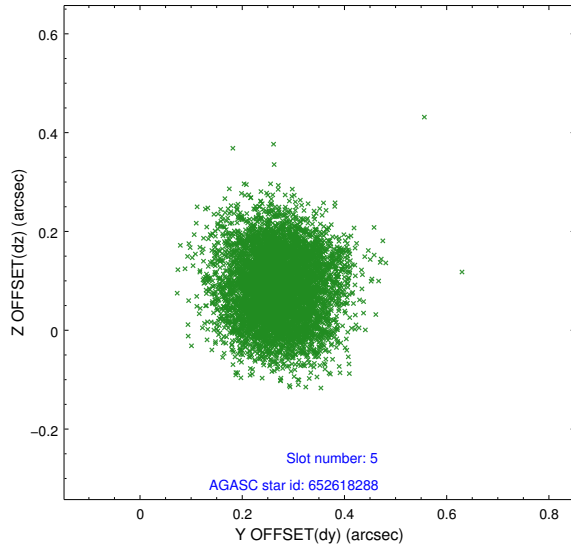
2.4.1 Slot 3



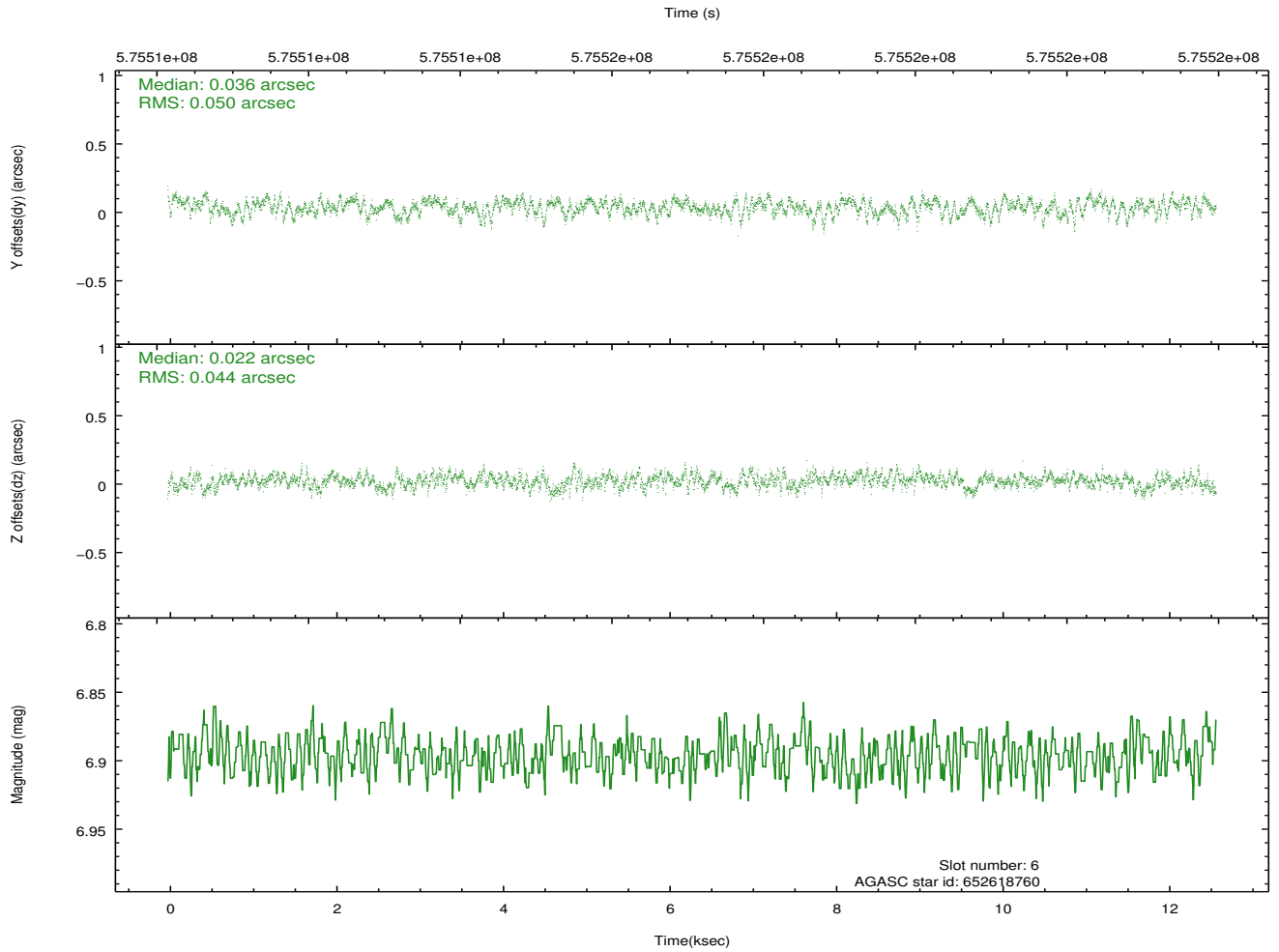
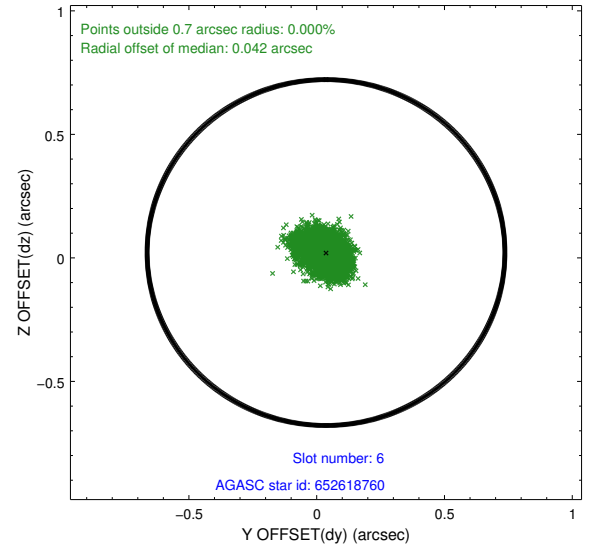
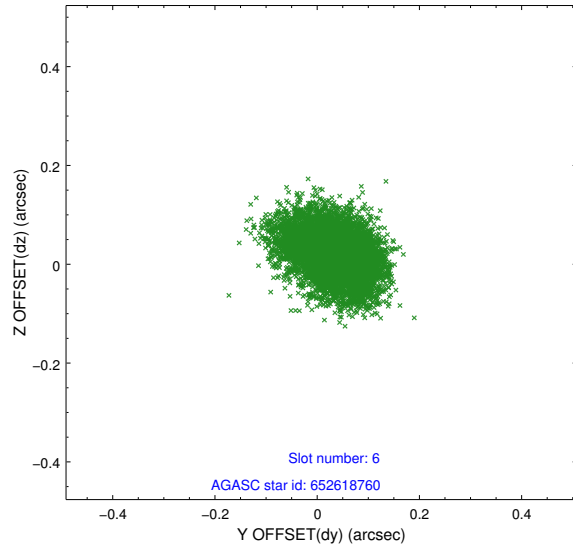
2.4.2 Slot 4



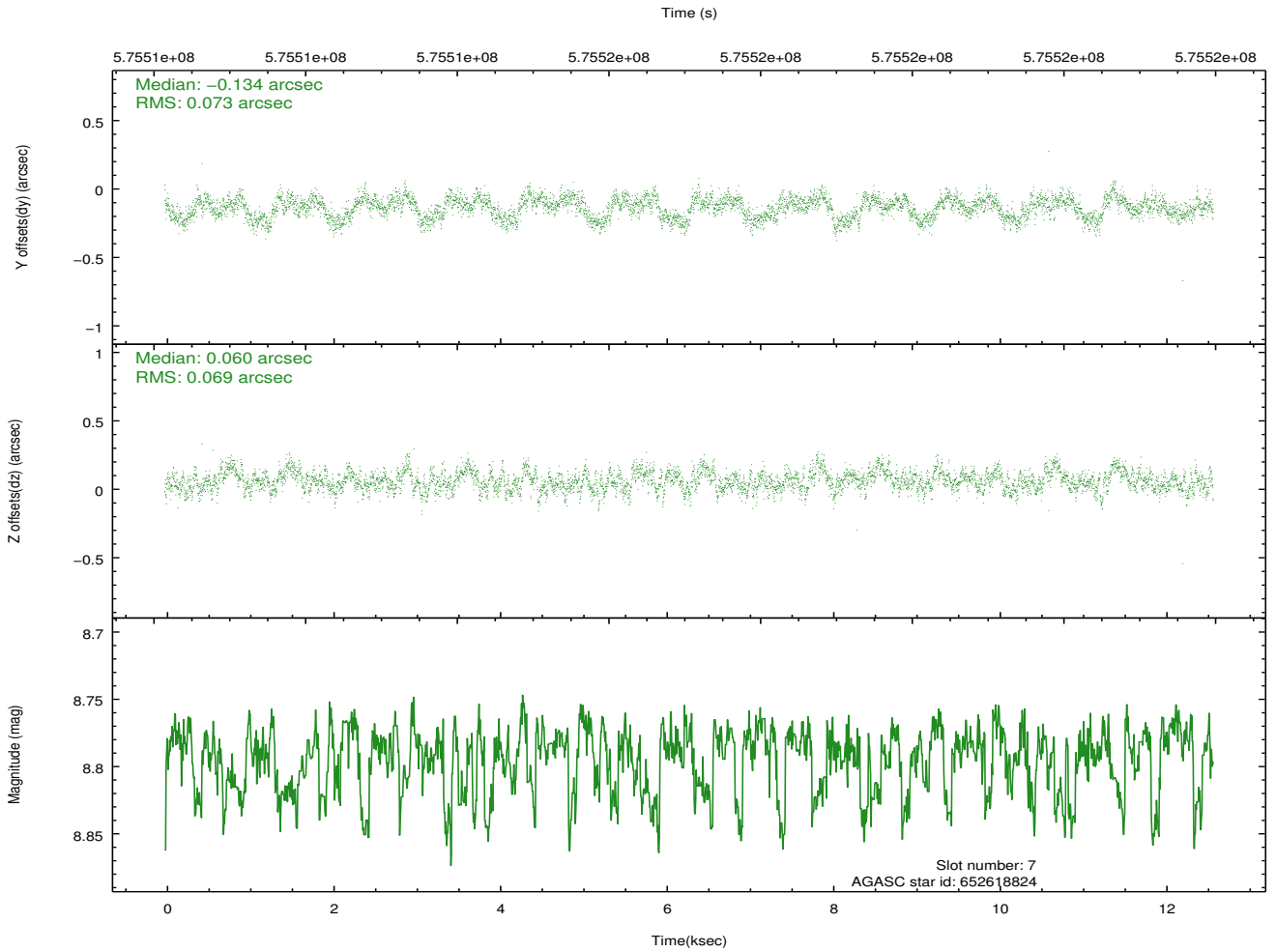
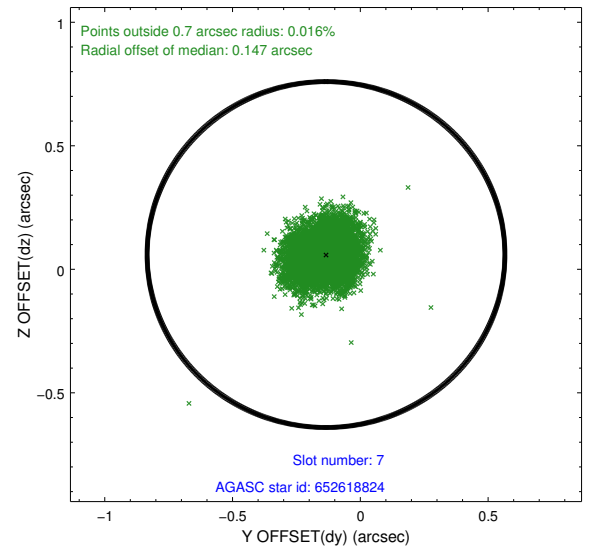
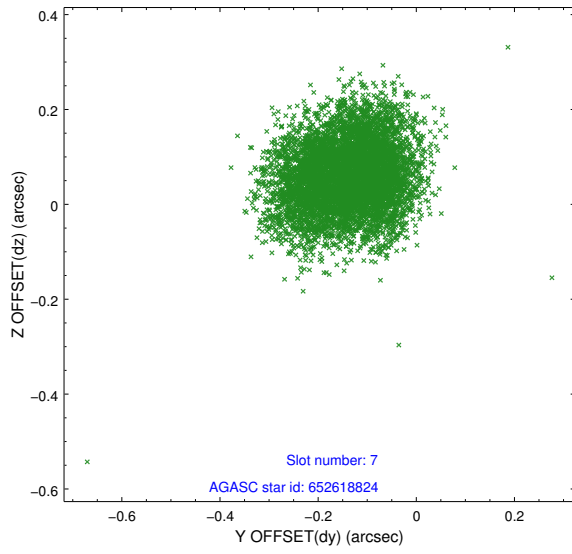
2.4.3 Slot 5



2.4.4 Slot 6

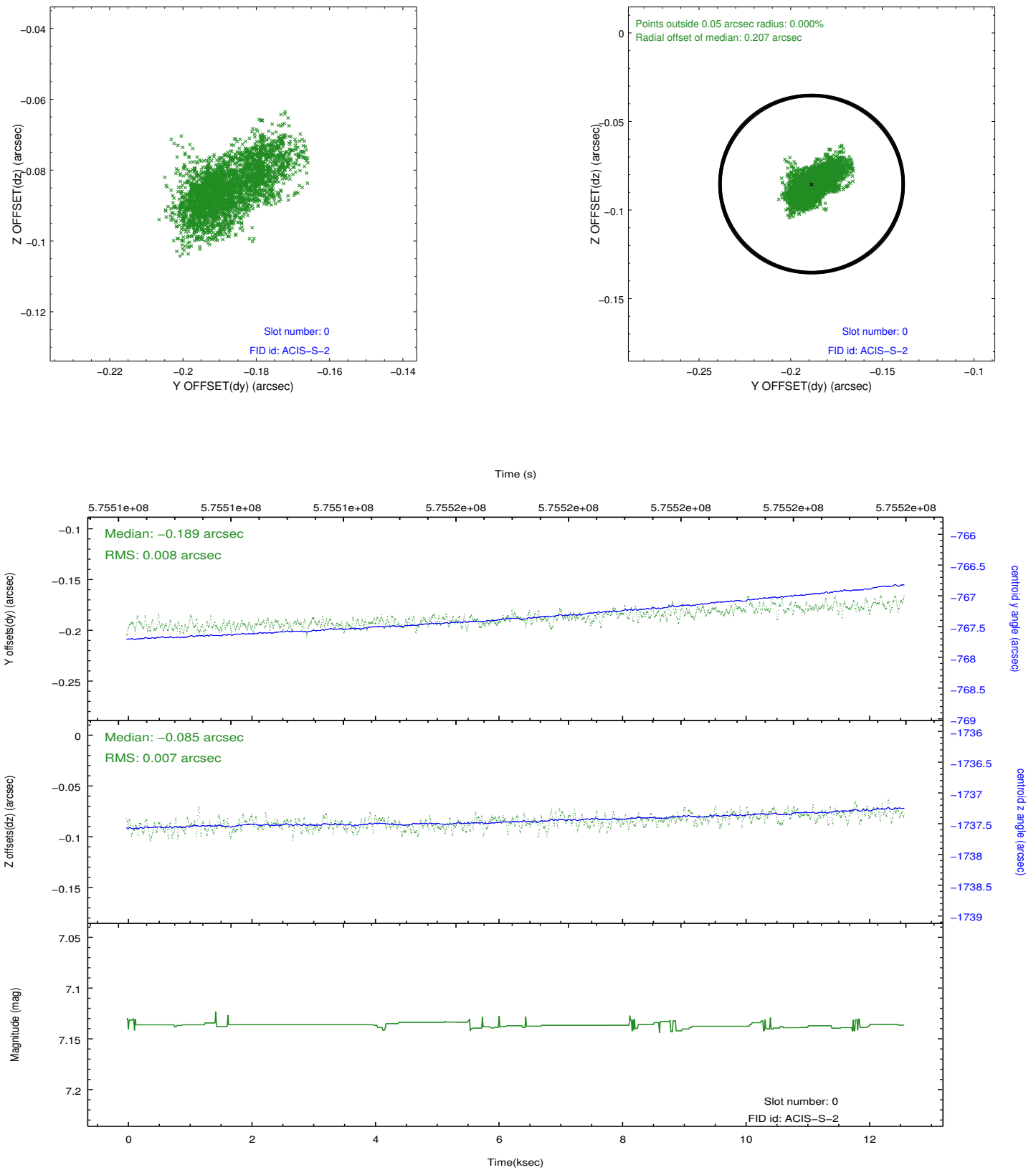


2.4.5 Slot 7

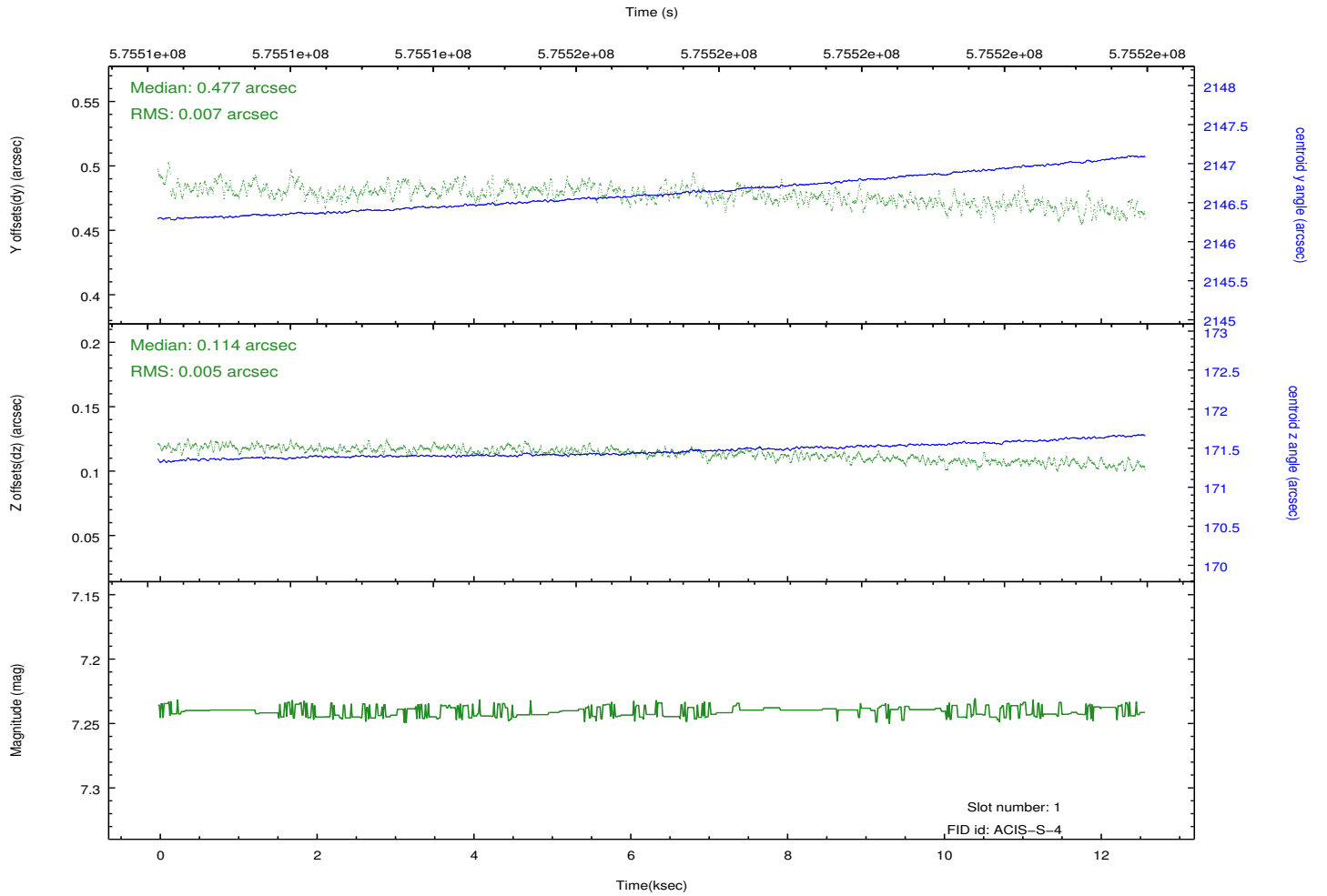
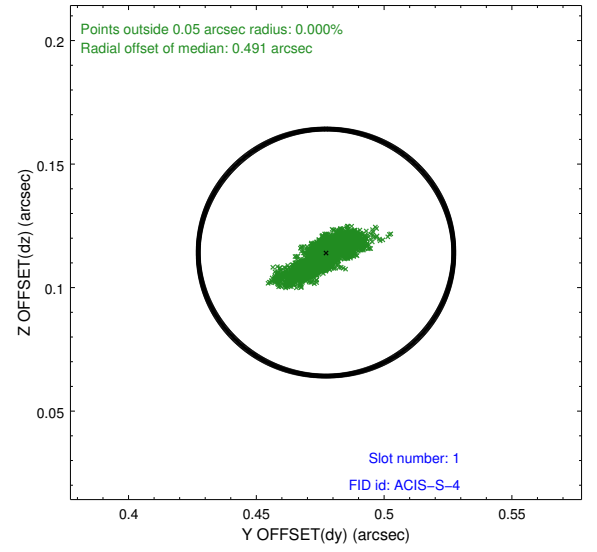
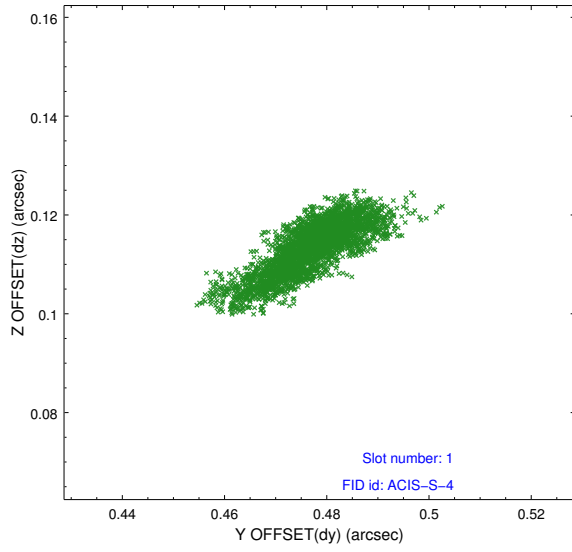


2.5 FID Slots

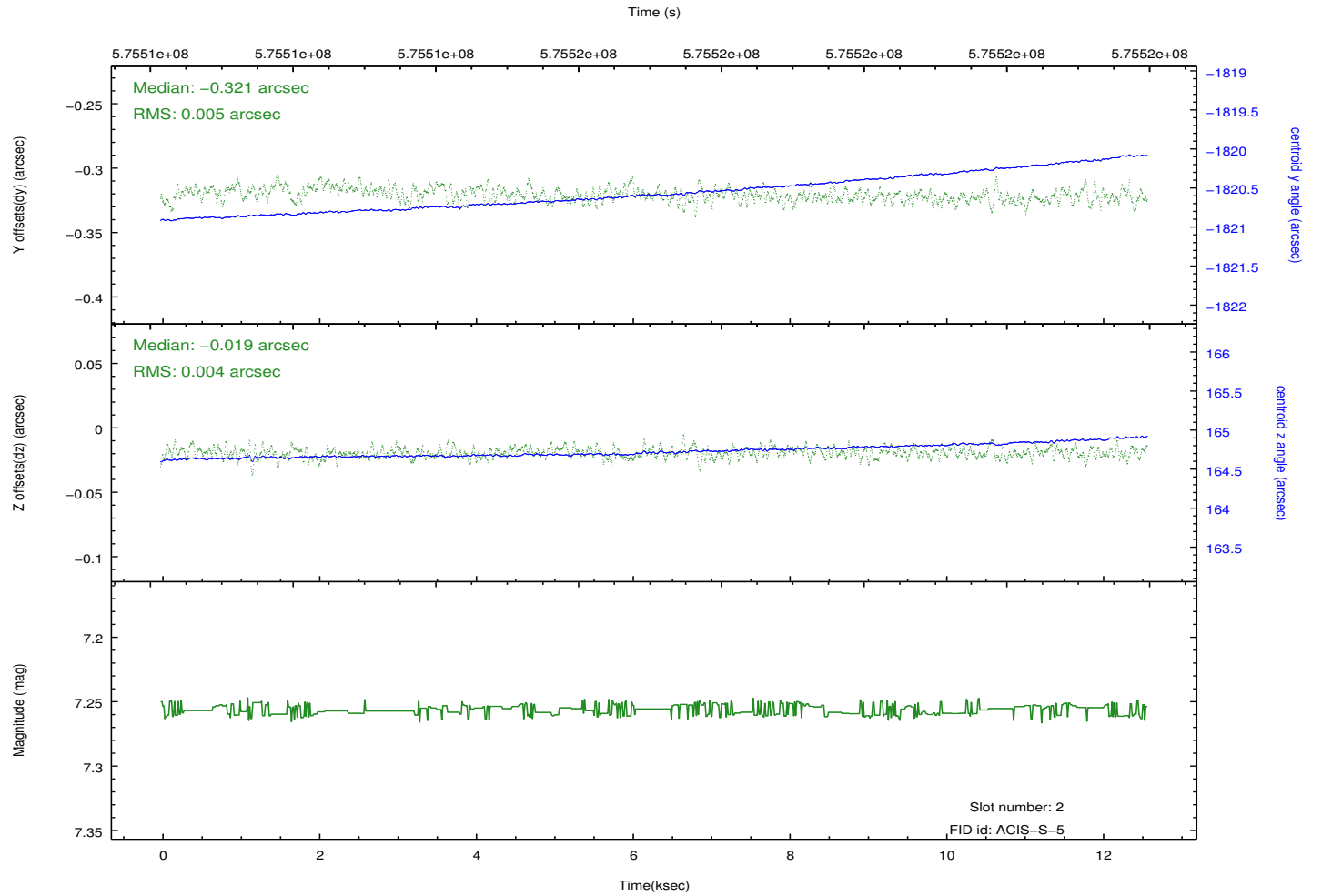
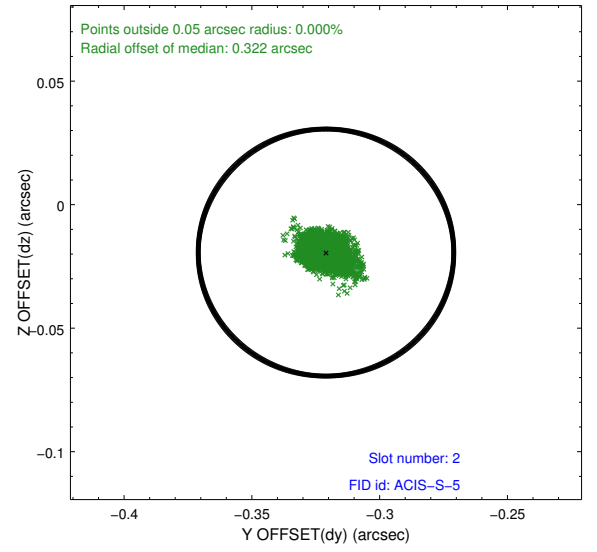
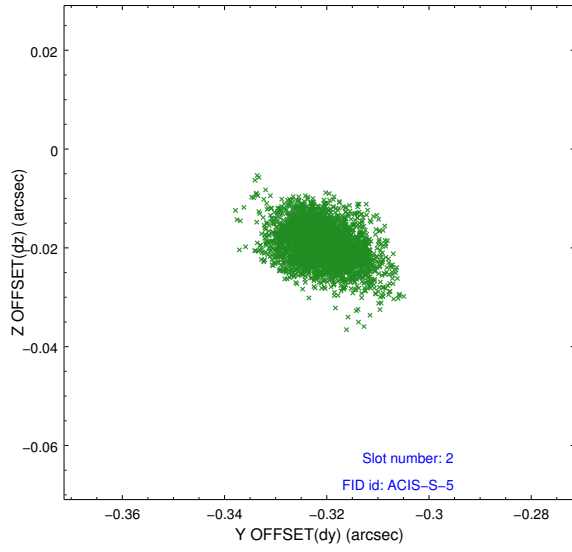
2.5.1 Slot 0



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)	2016.03.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.507783301115

A.2 Comments