

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19454 - L2 Version 1
Chandra X-Ray Center

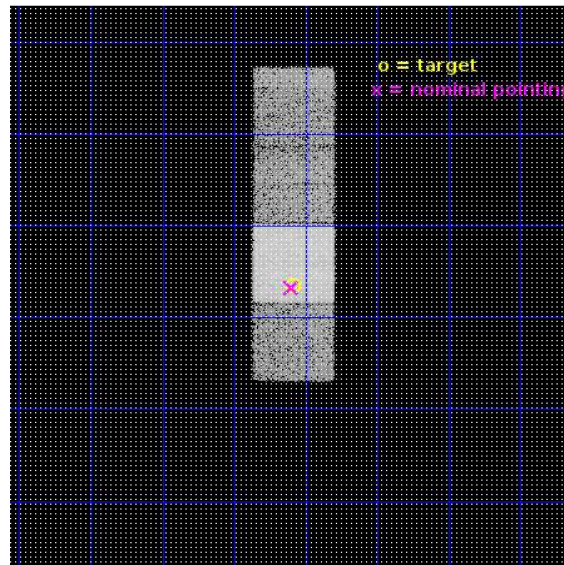
L2 Processing Date : Sep 28 2017

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

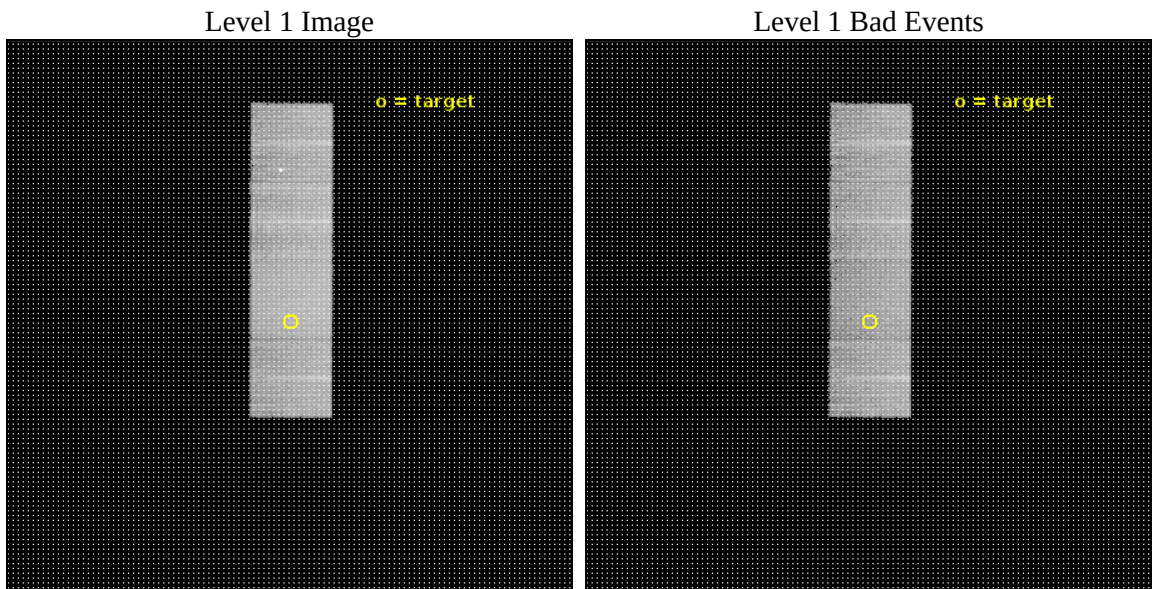
seq_num	703303	Sequence number
obs_id	19454	Observation id
title	Testing the Merger Paradigm: X-ray Observations of Radio-Selected Sub-Galactic-Scale Binary AGNs	Proposal title
observer	Hai Fu	Principal investigator
object	SDSS 2206+0003	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	331.645833	Observer's specified target RA [deg]
dec_targ	0.057667	Observer's specified target Dec [deg]
ra_nom	331.65011314579	Nominal RA [deg]
dec_nom	0.053993633260706	Nominal Dec [deg]
roll_nom	270.15665619492	Nominal Roll [deg]
revision	1	Processing version of data
ontime	16113.800124049	Sum of GTIs [s]
livetime	15903.261462621	Livetime [s]
ontime6	16113.800124049	Sum of GTIs [s]
ontime7	16113.800124049	Sum of GTIs [s]
ontime8	16113.800124049	Sum of GTIs [s]
ontime9	16113.800124049	Sum of GTIs [s]
l2events	89574	Number of level 2 events



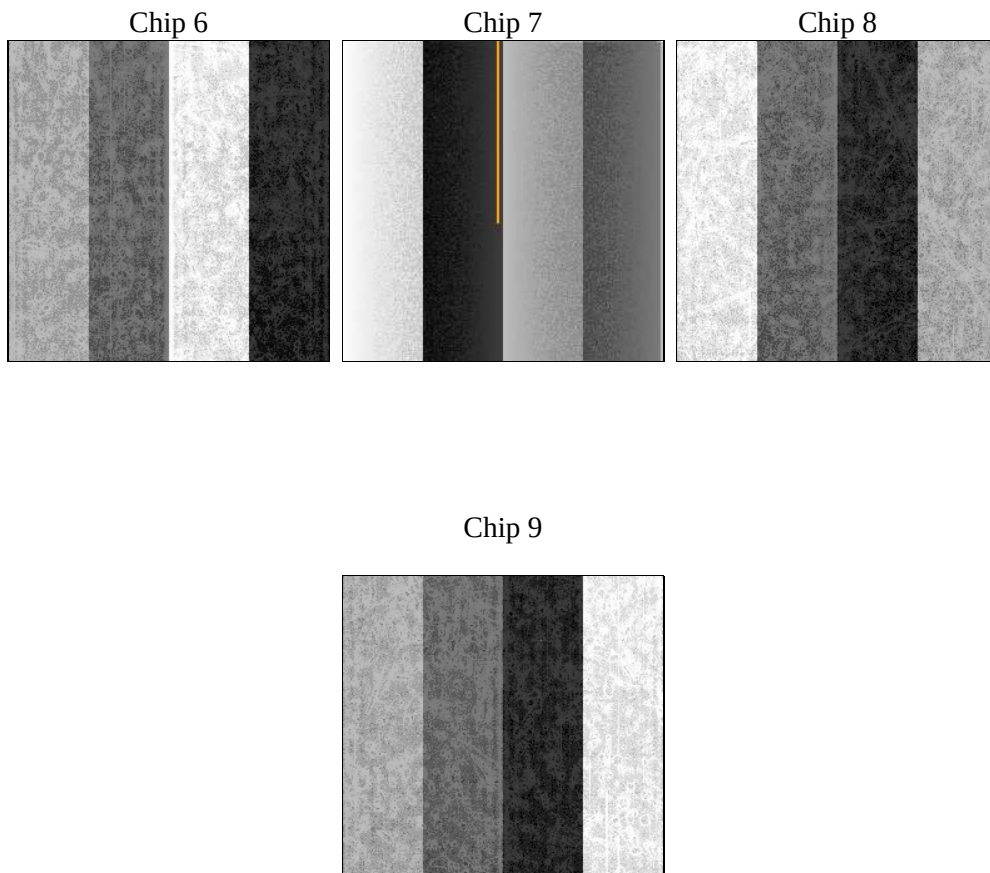
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	16000.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	16113.800124049	Sum of GTIs [s]
caldsver	4.7.6	 	ontime6	16113.800124049	Sum of GTIs [s]
date	2017-09-28T14:08:13	Date and time of file creation	ontime7	16113.800124049	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	16113.800124049	Sum of GTIs [s]
			ontime9	16113.800124049	Sum of GTIs [s]
			l1events	478916	Number of level 1 events

2.1.4 Events

	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	104915	134546	130722	108733
rejected events	93202	76270	97719	94032
rejected %	88%	56%	74%	86%

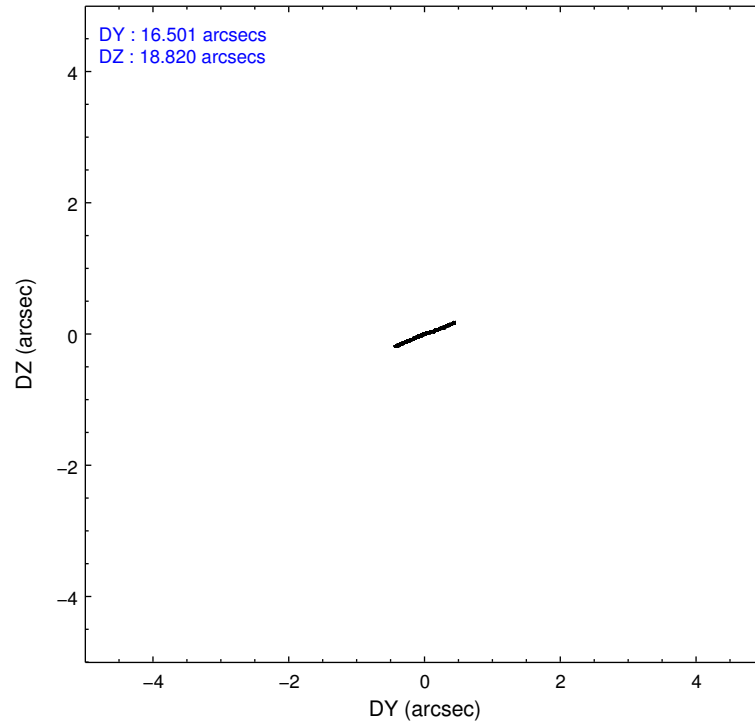
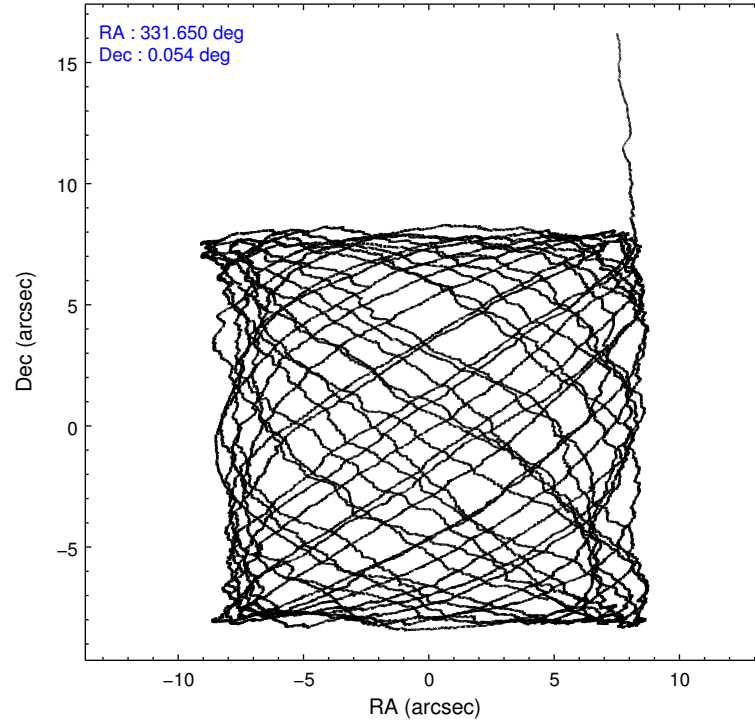
	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	3622	4811	9255	6540
	3%	3%	7%	6%
grade 1 events	39	150	112	61
	0%	0%	0%	0%
grade 2 events	2908	12107	7920	2805
	2%	8%	6%	2%
grade 3 events	1105	4797	3609	1298
	1%	3%	2%	1%
grade 4 events	1110	4483	3346	1199
	1%	3%	2%	1%
grade 5 events	4845	13421	7302	5532
	4%	9%	5%	5%
grade 6 events	2970	32104	8881	2866
	2%	23%	6%	2%
grade 7 events	88316	62673	90297	88432
	84%	46%	69%	81%

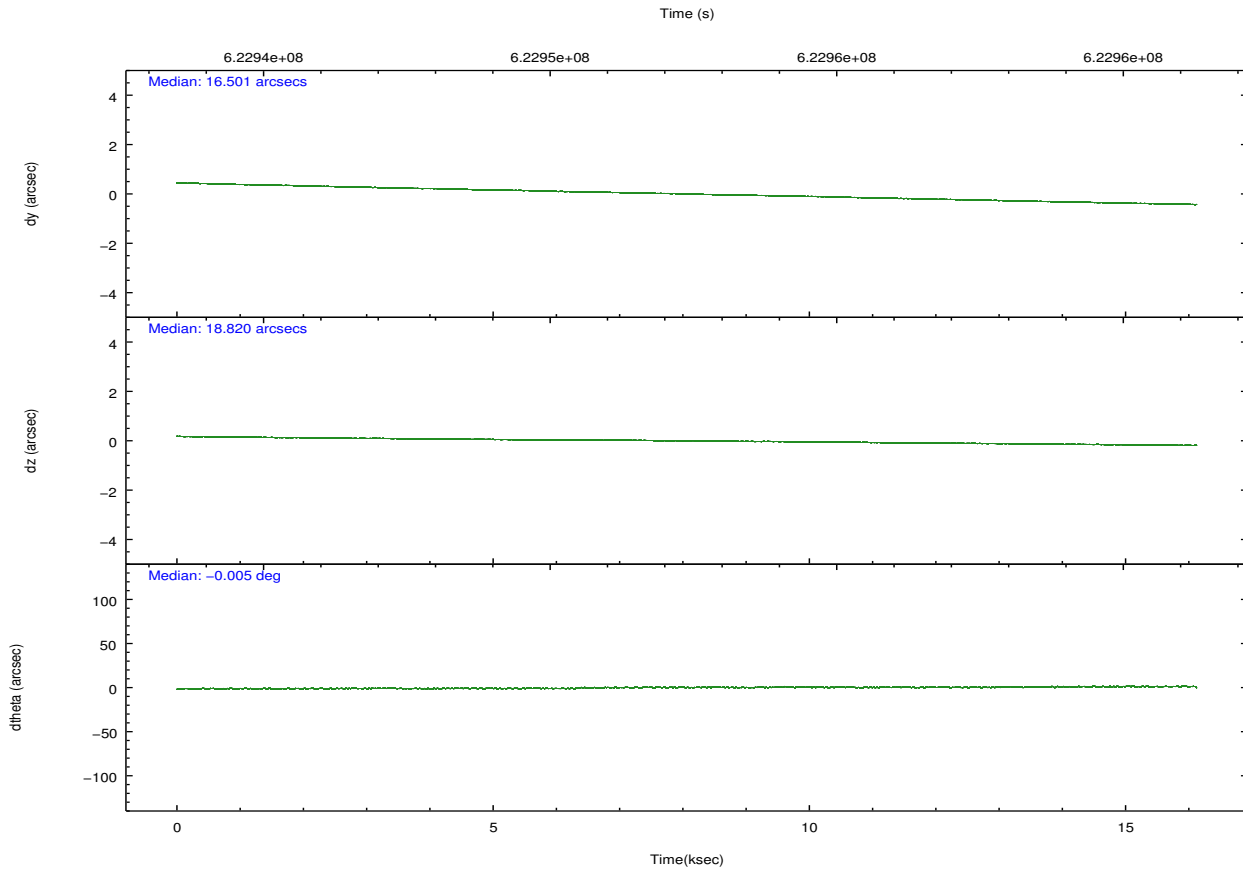
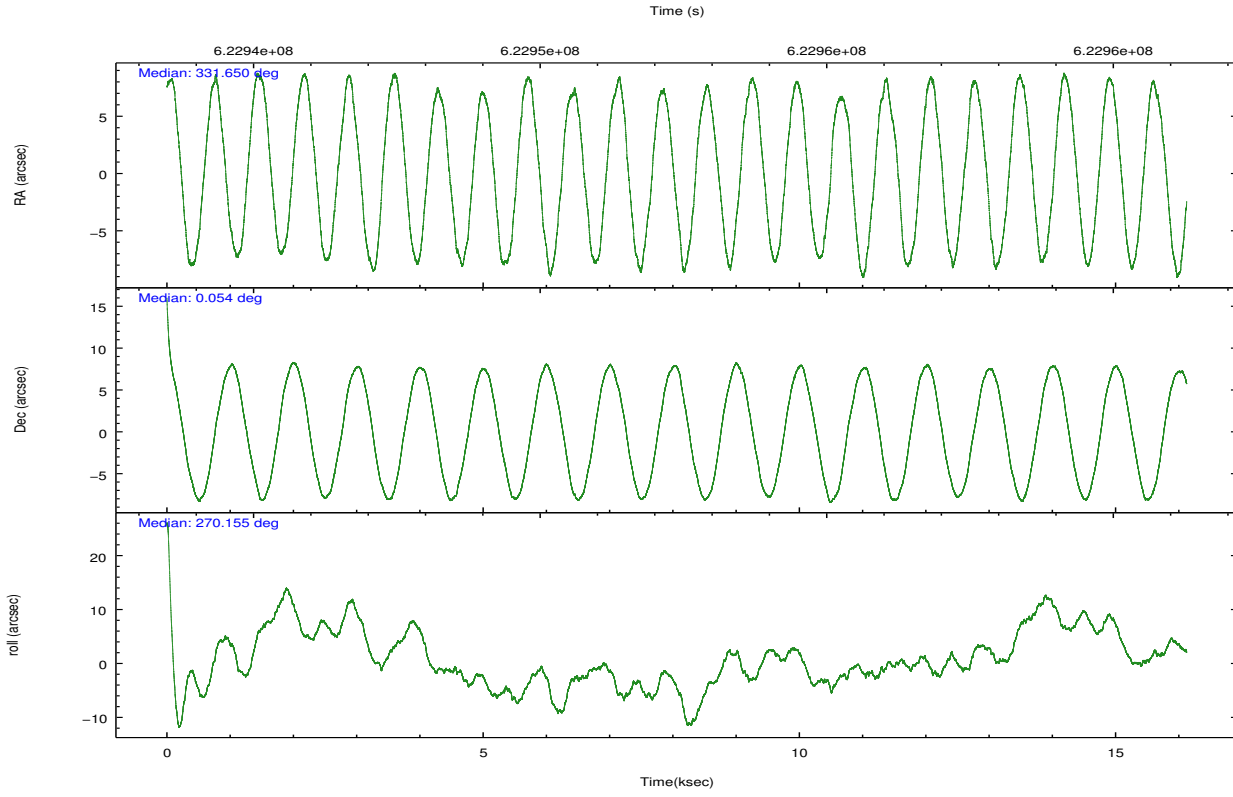
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-6789	ACIS-6789
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	331.636002	331.6501131457939
[deg] Pointing Dec	0.077521	0.05399363326070587
[deg] Pointing Roll	270.000016	270.1566561949159
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1400660498719
[mm] SIM translation stage offset	0	0.00754346686406393
[s] Observation start time (MET)	622944444.184000	622942774.8579201
Observation start date	2017-09-28T00:06:15	2017-09-27T23:39:34
[s] Observation end time (MET)	622960444.184000	622961506.2215101
Observation end date	2017-09-28T04:32:55	2017-09-28T04:51:46
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	N
CCD I3 on	O2	N
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	Y	Y
CCD S3 on	Y	Y
CCD S4 on	Y	Y
CCD S5 on	Y	Y
Number of optional ACIS chips dropped	2	2
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



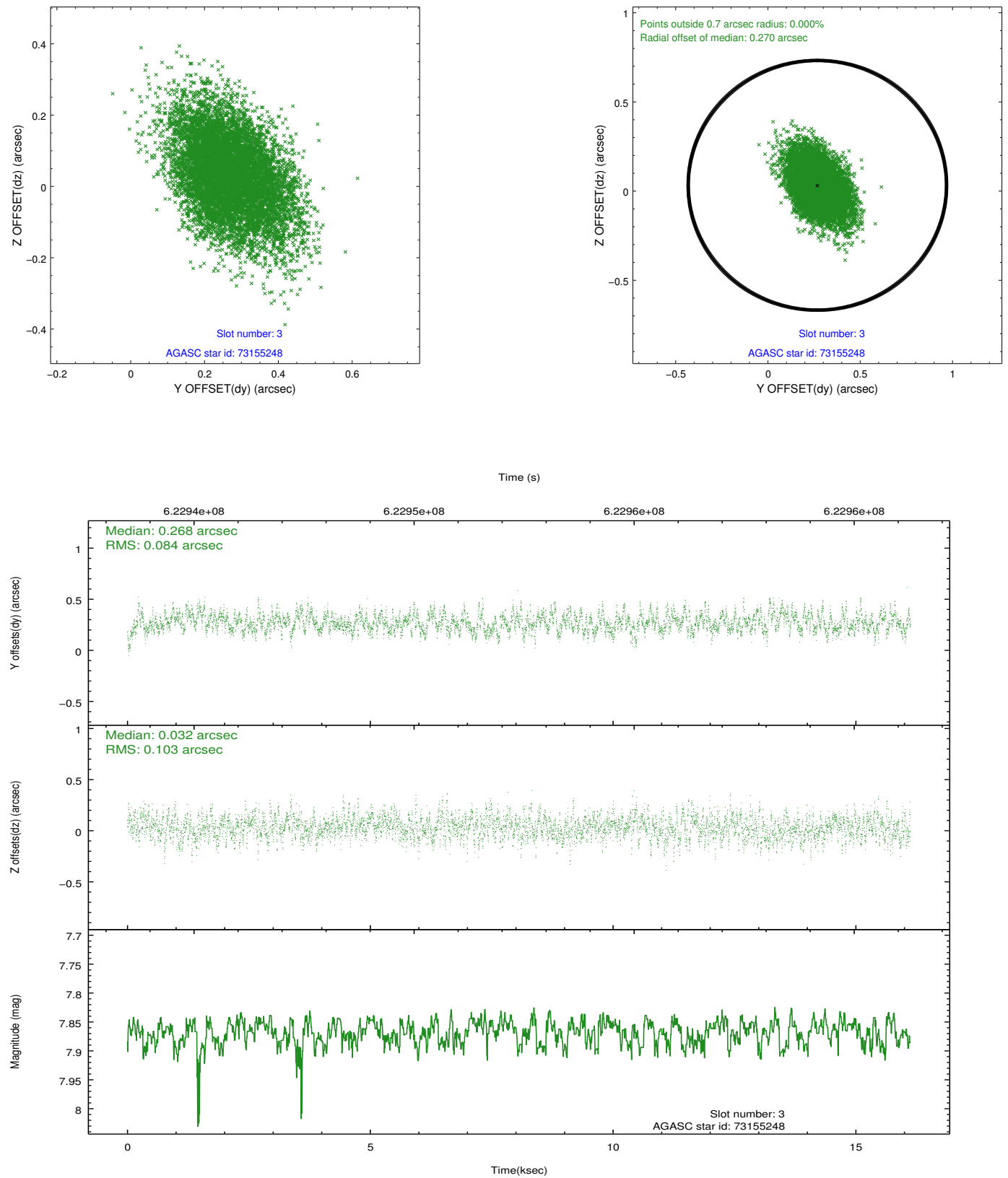


Slot Statistics

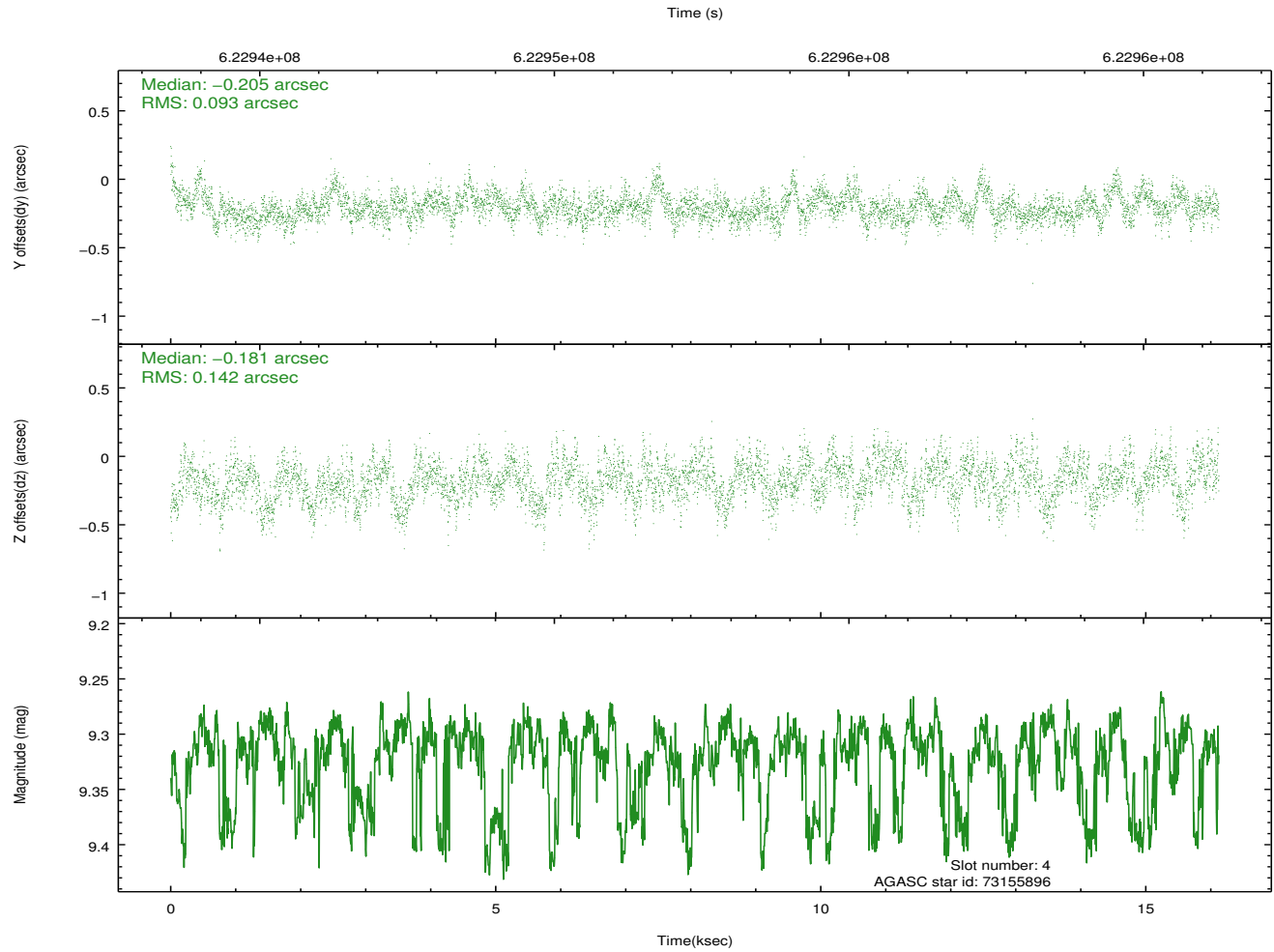
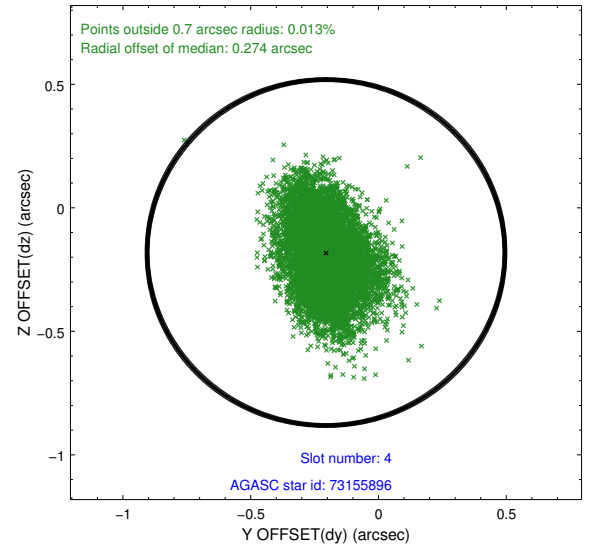
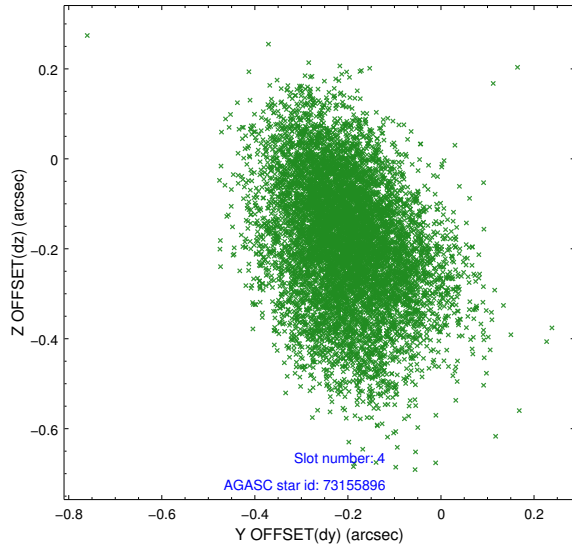
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.10	3933	-0.203	-0.127	0.013	0.019	0.000000	0.000000	-769.69	-1740.43
1	FID		ACIS-S-4	7.21	3933	0.504	0.131	0.007	0.011	0.000000	0.000000	2144.15	168.06
2	FID		ACIS-S-5	7.20	3933	-0.333	0.005	0.011	0.016	0.000000	0.000000	-1822.34	161.87
3	GUIDE	used	73155248	7.87	7866	0.268	0.032	0.138	0.237	331.348846	0.261149	-660.11	-1033.64
4	GUIDE	used	73155896	9.32	7856	-0.205	-0.181	0.180	0.299	332.181196	0.231459	-553.45	1962.14
5	GUIDE	used	73159896	6.88	7865	-0.034	0.321	0.139	0.238	331.383933	0.627581	-1979.45	-906.96
6	GUIDE	used	684729736	9.88	7772	-0.046	0.021	0.218	0.362	331.540119	-0.555942	2281.05	-344.91
7	GUIDE	used	684733312	7.65	7864	0.009	-0.184	0.117	0.209	331.326024	-0.130795	750.93	-1116.05

2.4 Star Slots

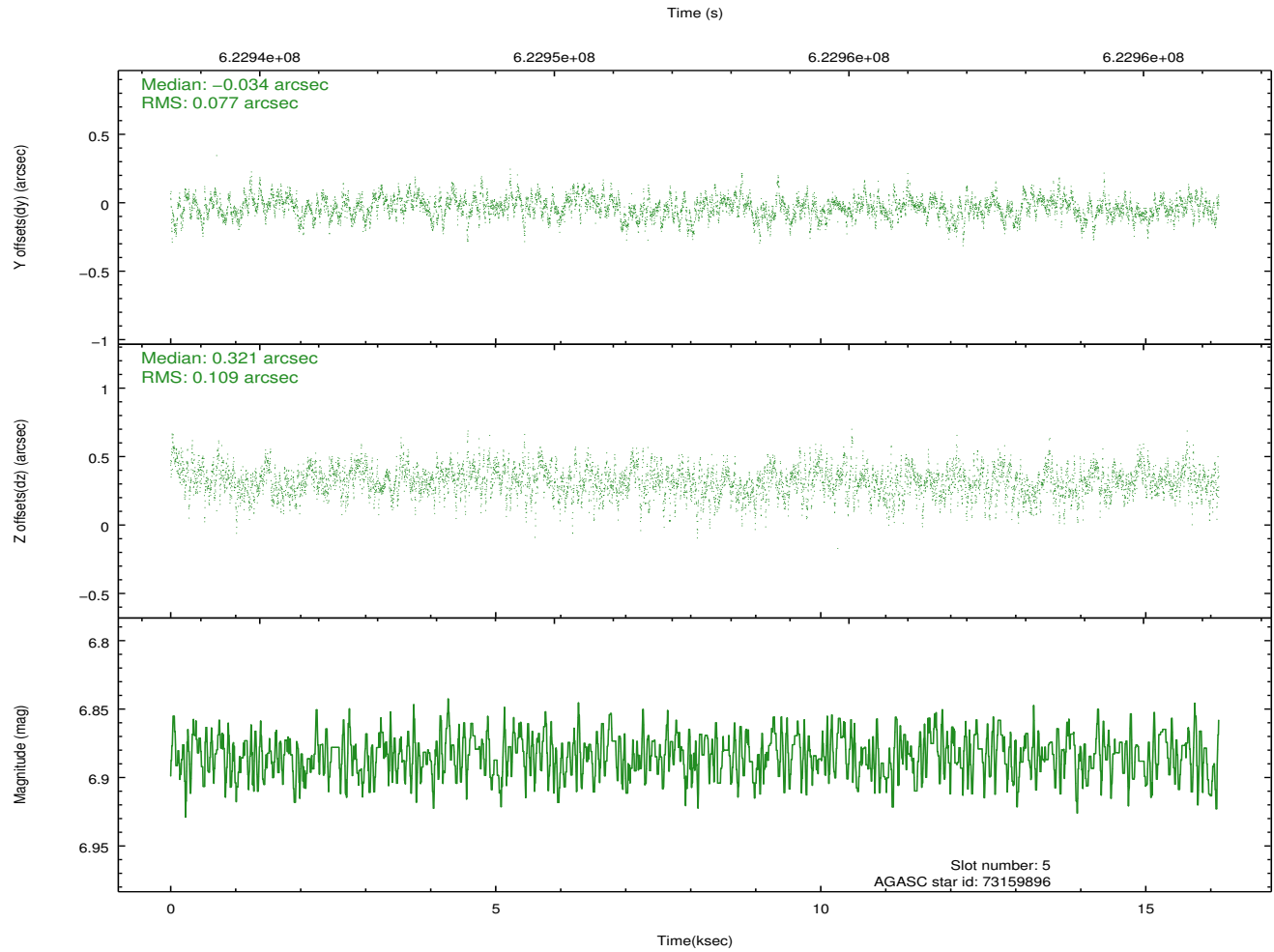
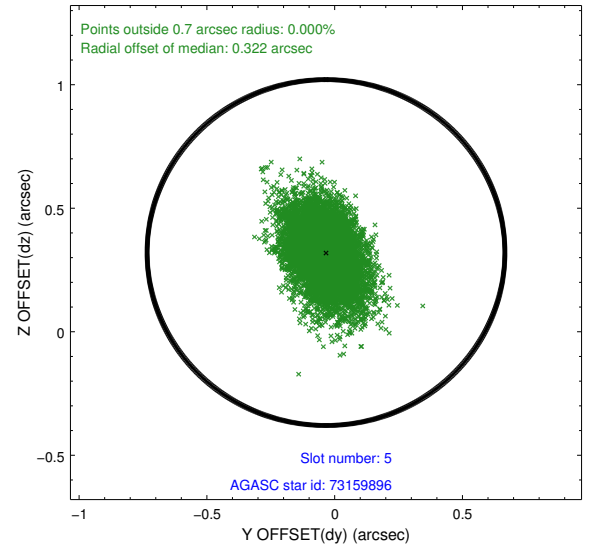
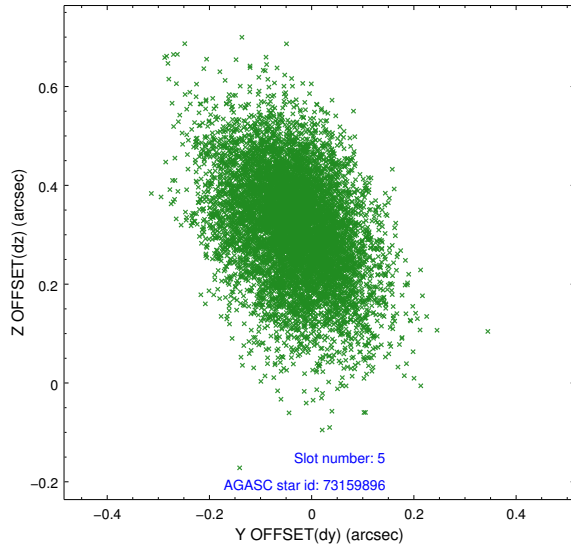
2.4.1 Slot 3



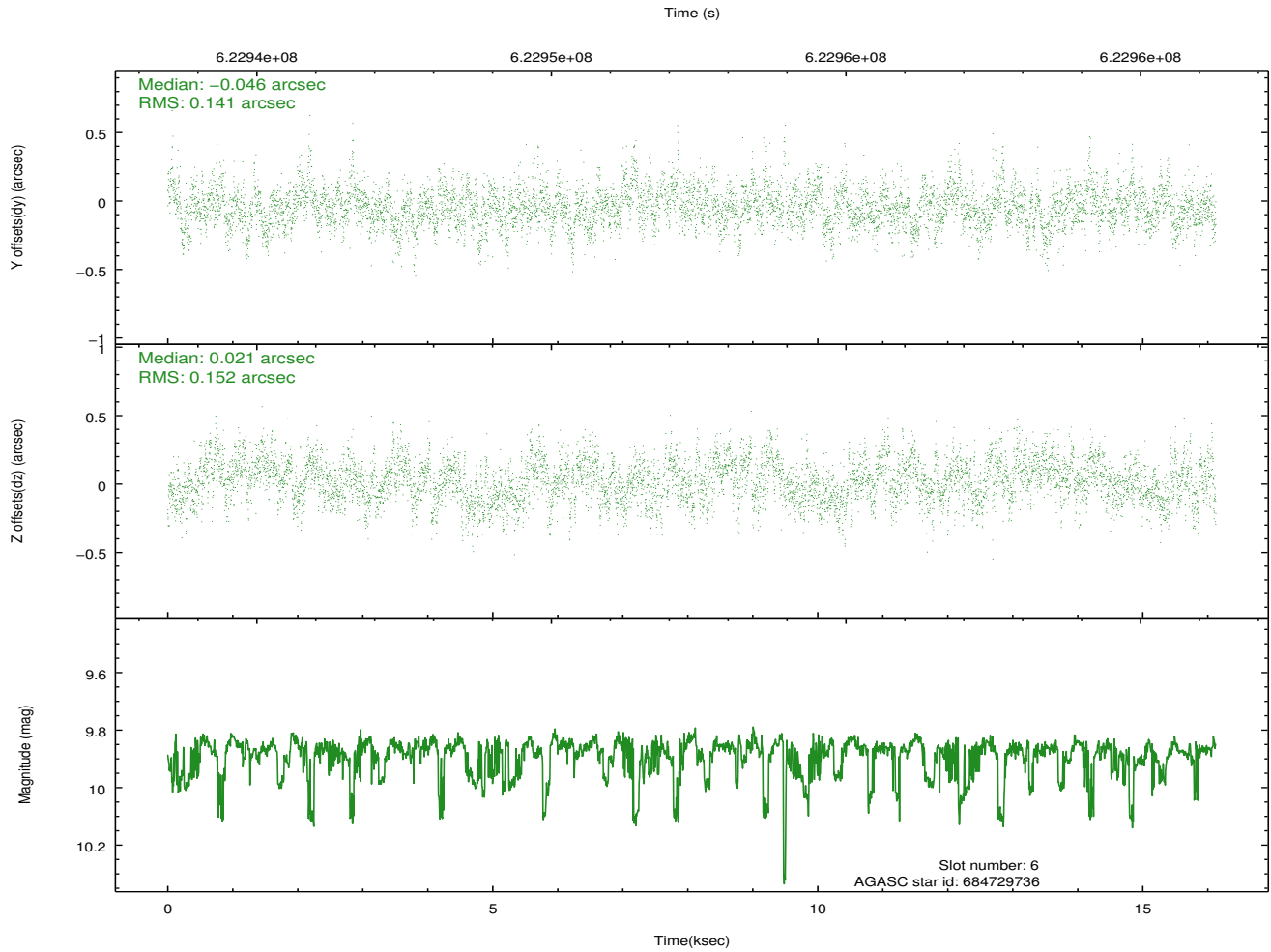
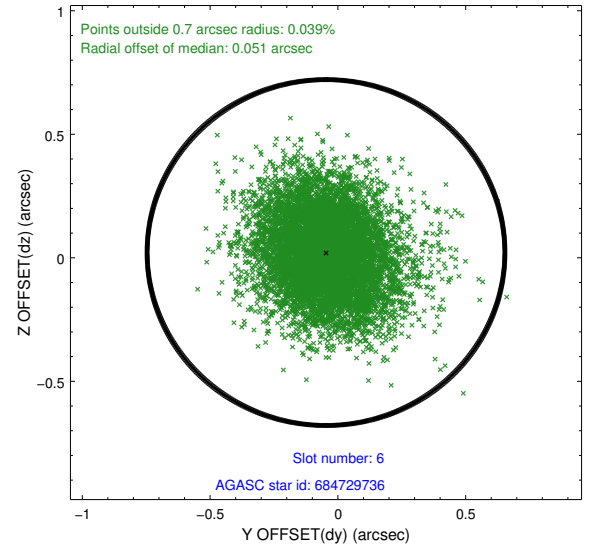
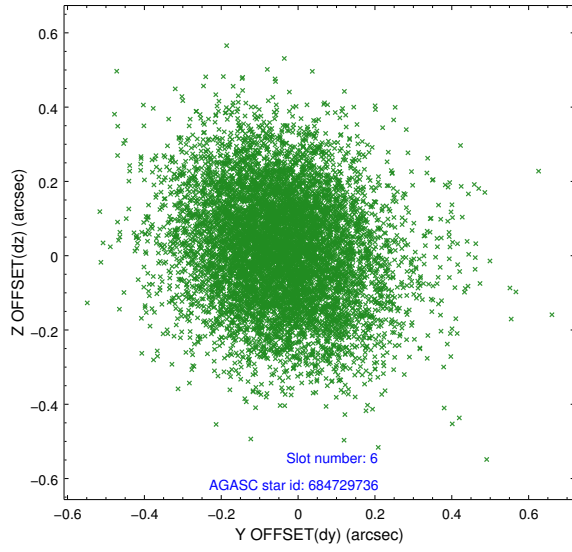
2.4.2 Slot 4



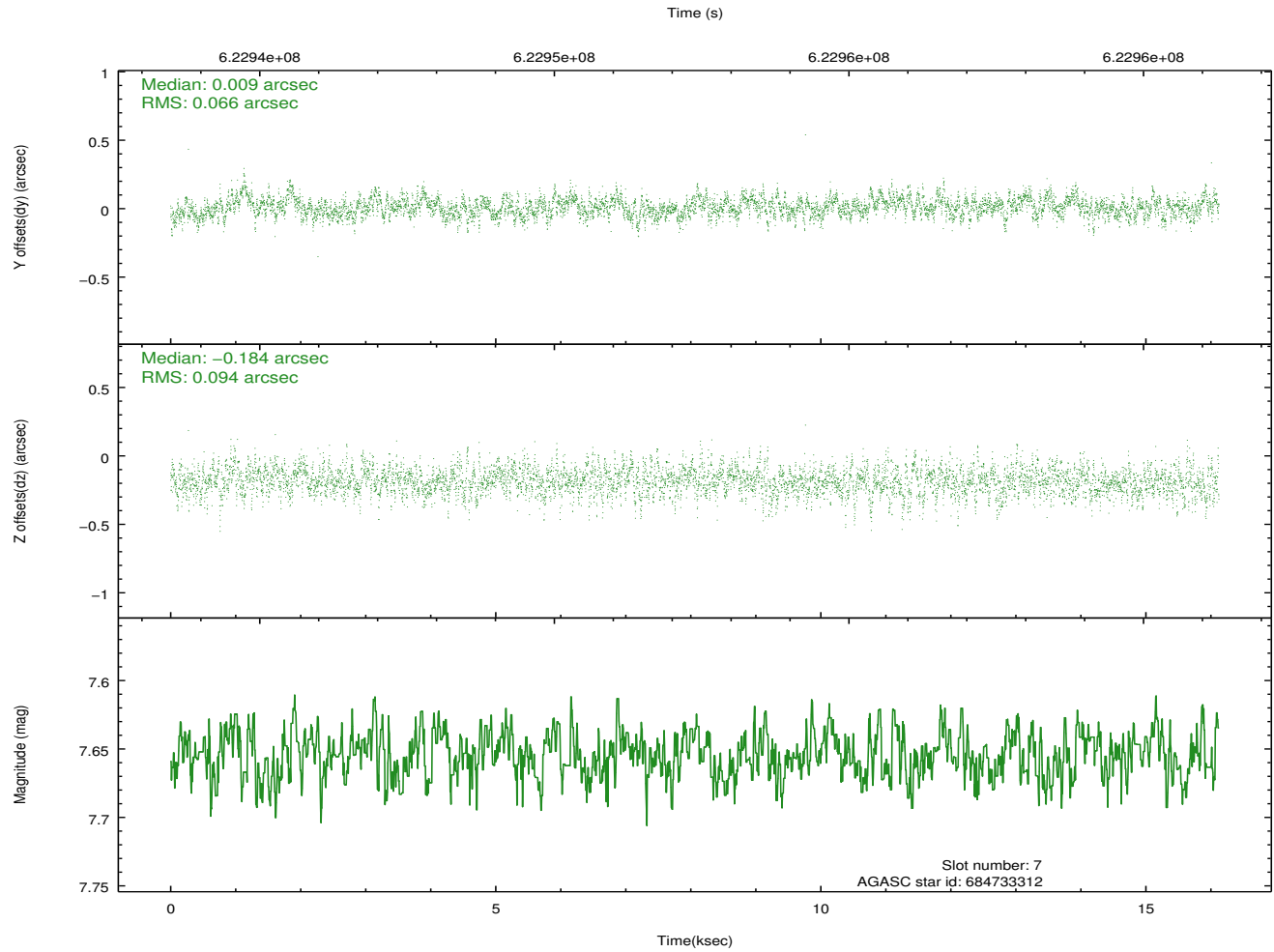
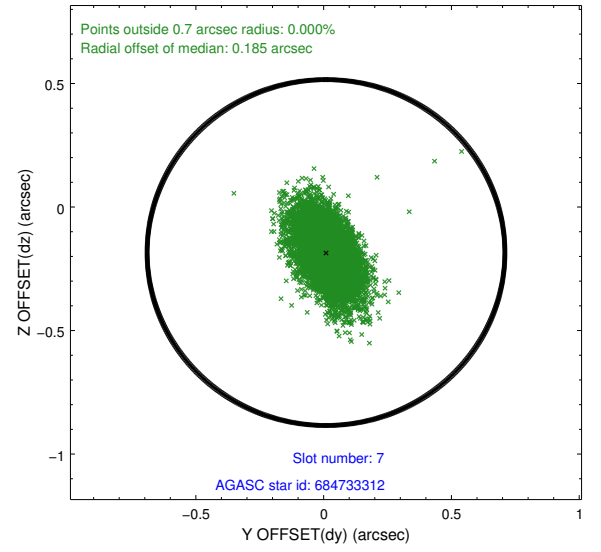
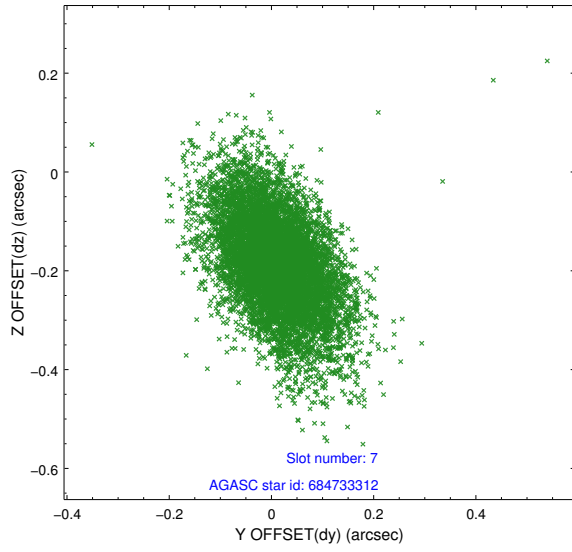
2.4.3 Slot 5



2.4.4 Slot 6

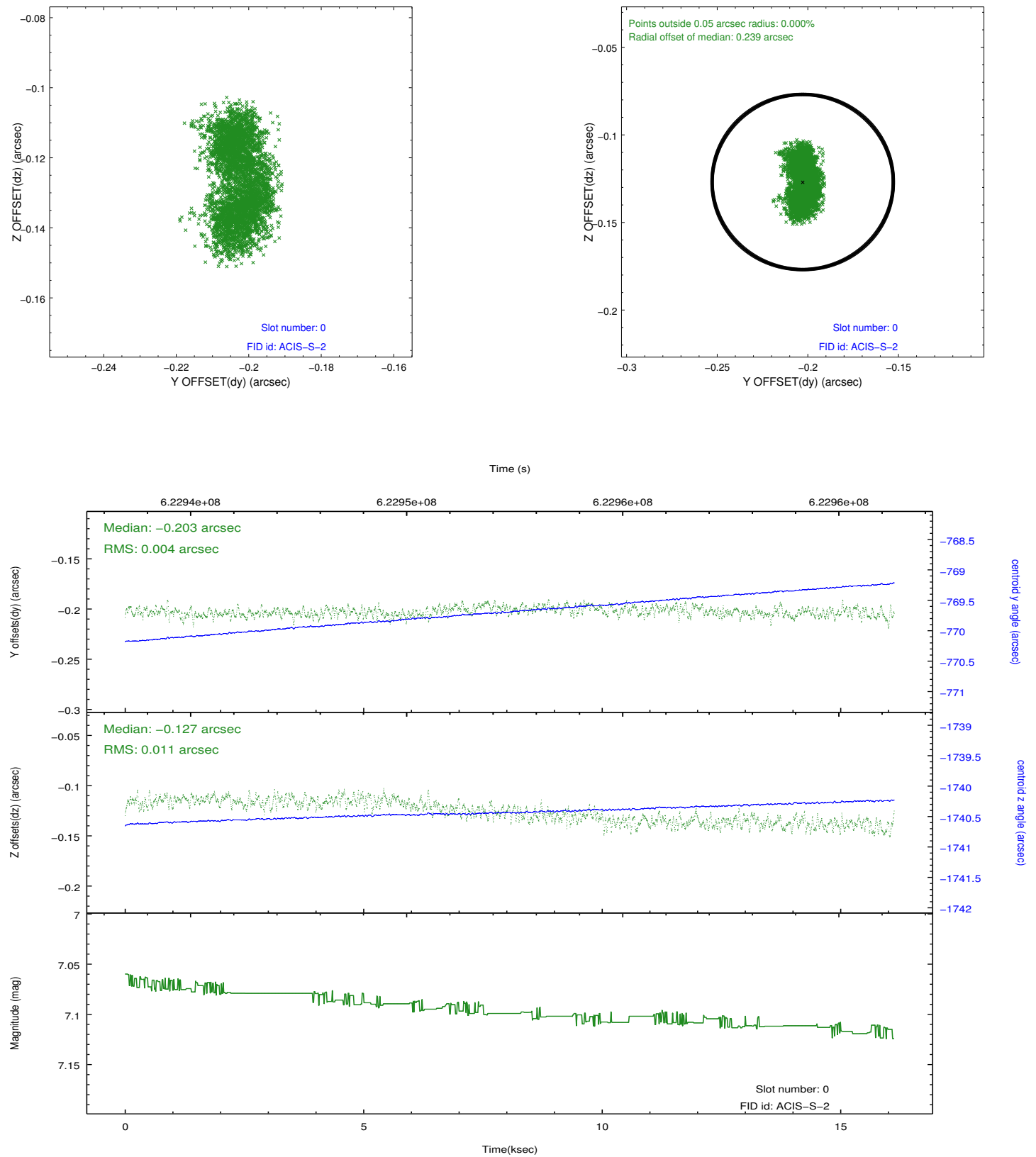


2.4.5 Slot 7

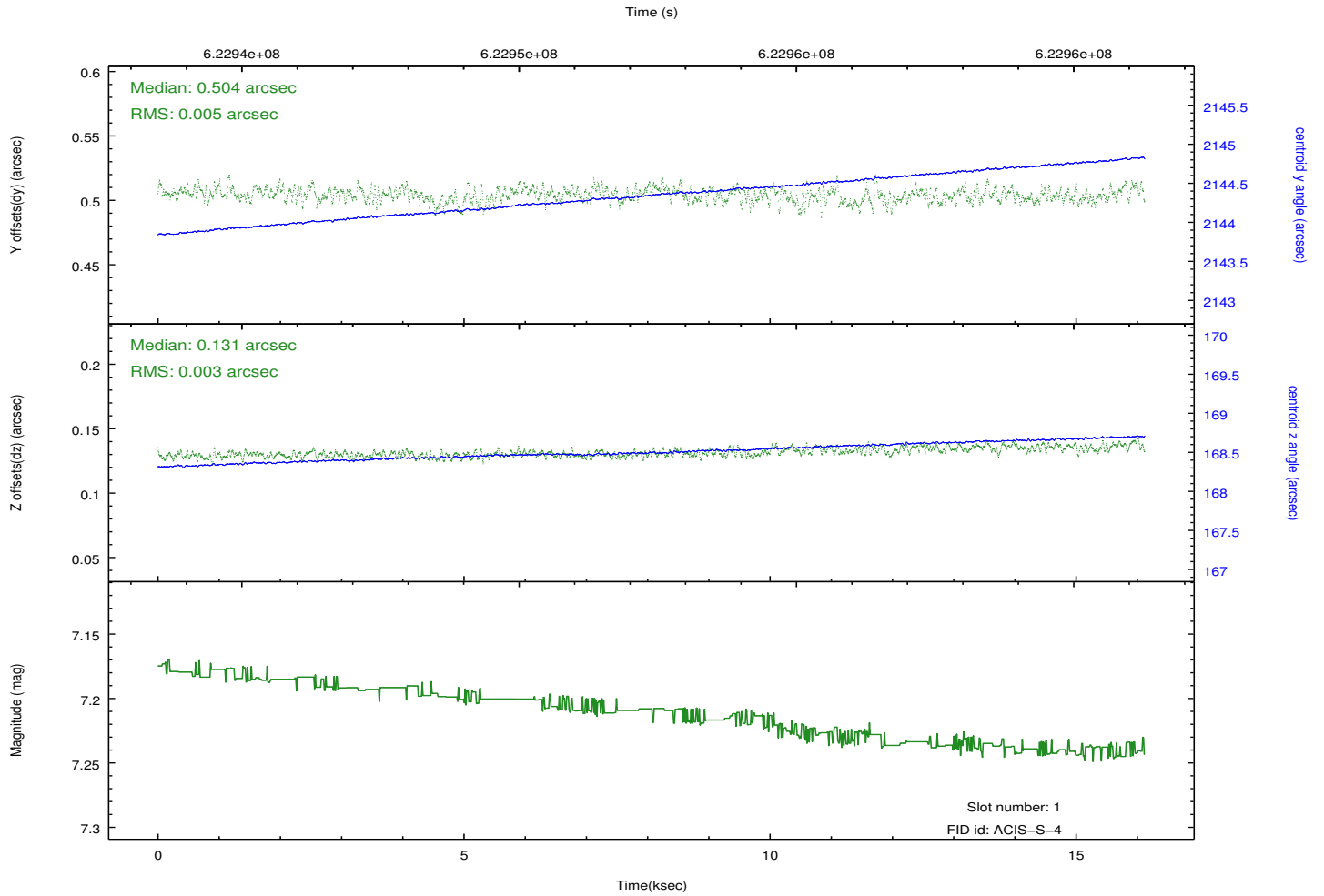
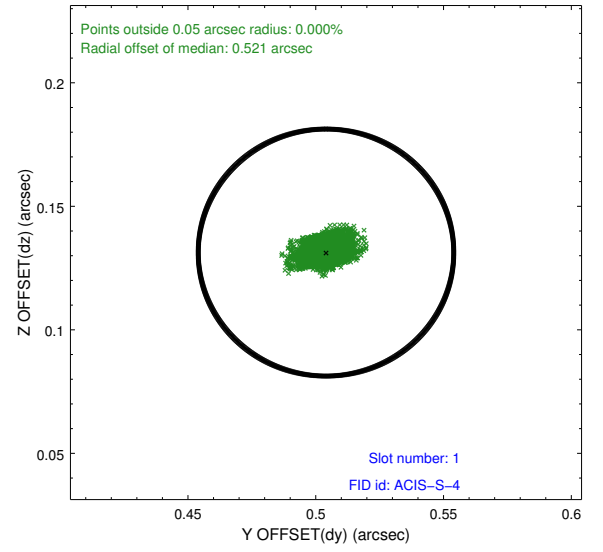
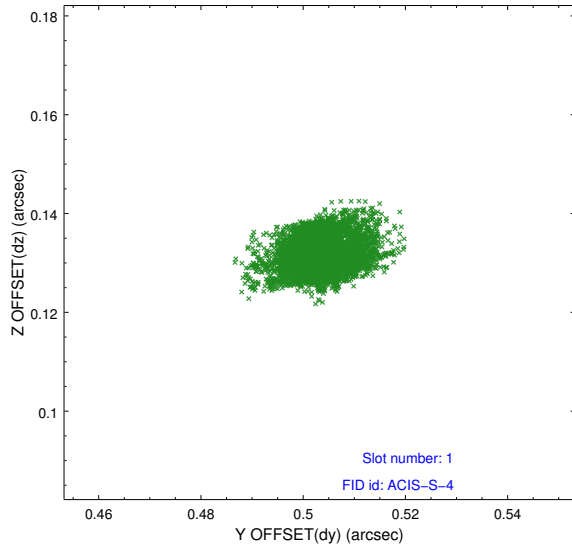


2.5 FID Slots

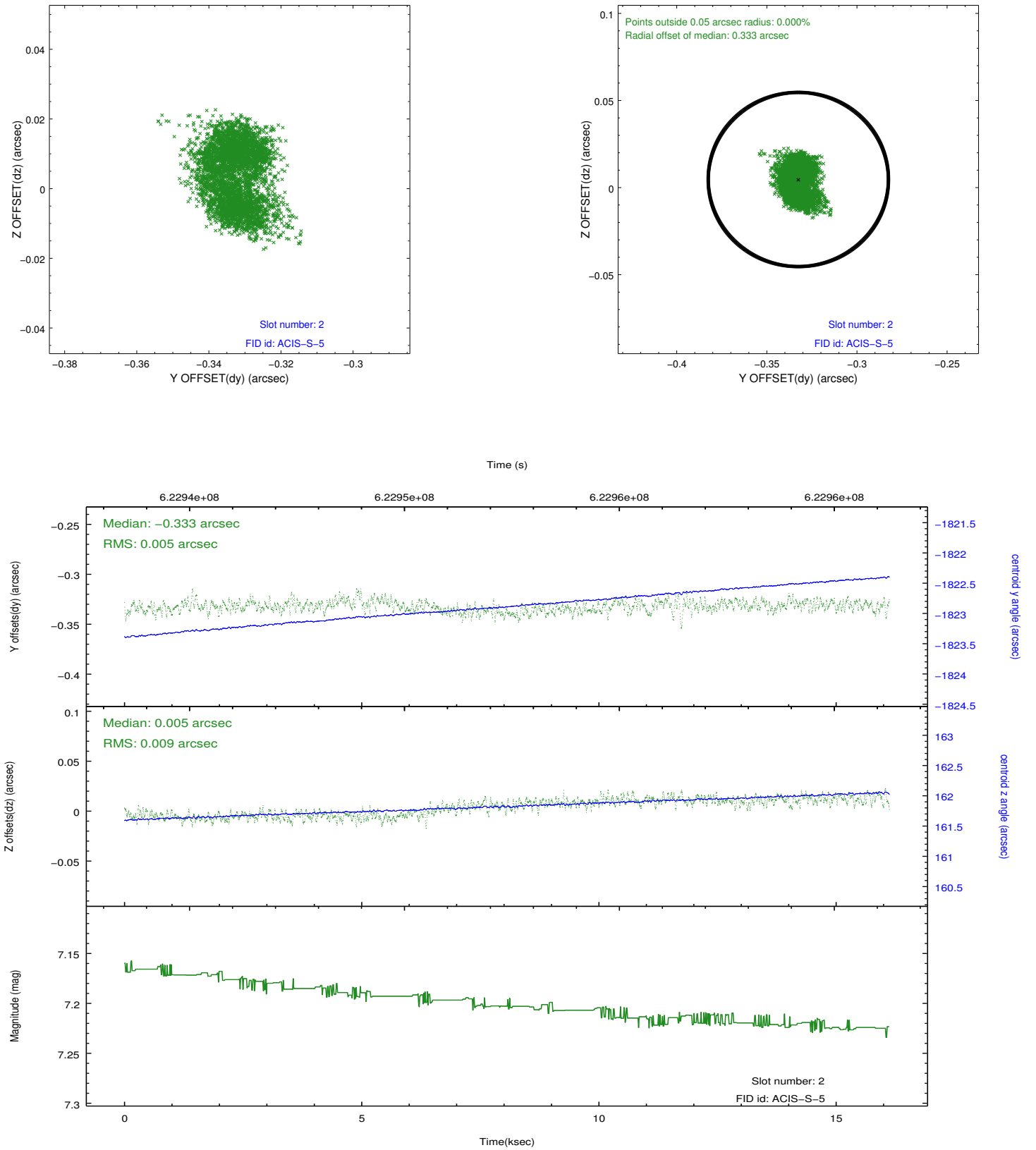
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2017.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	16.113800124049

A.2 Comments

Optional chips I2 and I3 not included.