

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9306 - L2 Version 2
Chandra X-Ray Center

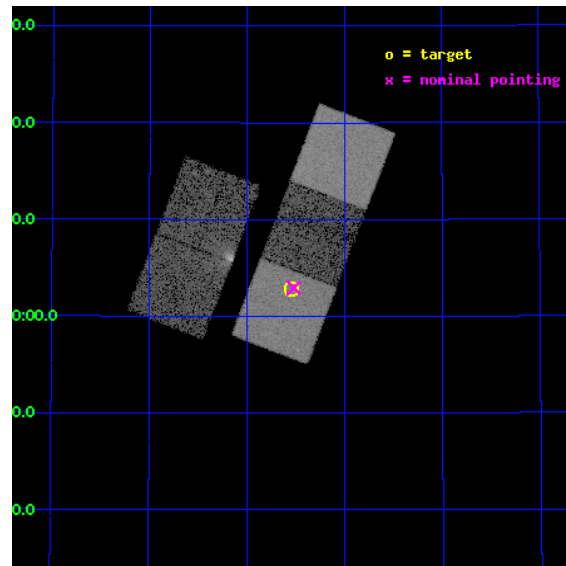
L2 Processing Date : May 7 2012

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

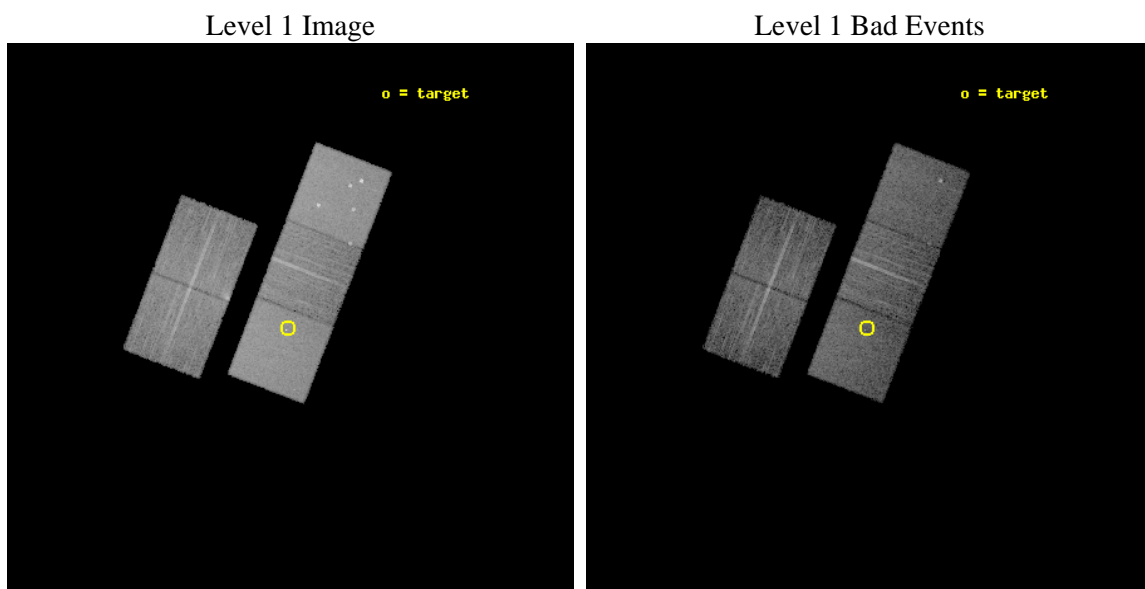
seq_num	701746	Sequence number
obs_id	9306	Observation id
title	Towards a Complete Sample: 3CR Extragalactic Radio Sources with $z < 0.3$	Proposal title
observer	Dr. Daniel Harris	Principal investigator
object	3C197.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	125.385833	Observer's specified target RA [deg]
dec_targ	47.046139	Observer's specified target Dec [deg]
ra_nom	125.38010635021	Nominal RA [deg]
dec_nom	47.049091332282	Nominal Dec [deg]
roll_nom	111.04050101817	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8069.3000620604	Sum of GTIs [s]
livetime	7963.8687162173	Livetime [s]
ontime2	8069.3000620604	Sum of GTIs [s]
ontime3	8069.3000620604	Sum of GTIs [s]
ontime5	8069.3000620604	Sum of GTIs [s]
ontime6	8069.3000620604	Sum of GTIs [s]
ontime7	8069.3000620604	Sum of GTIs [s]
l2events	124465	Number of level 2 events



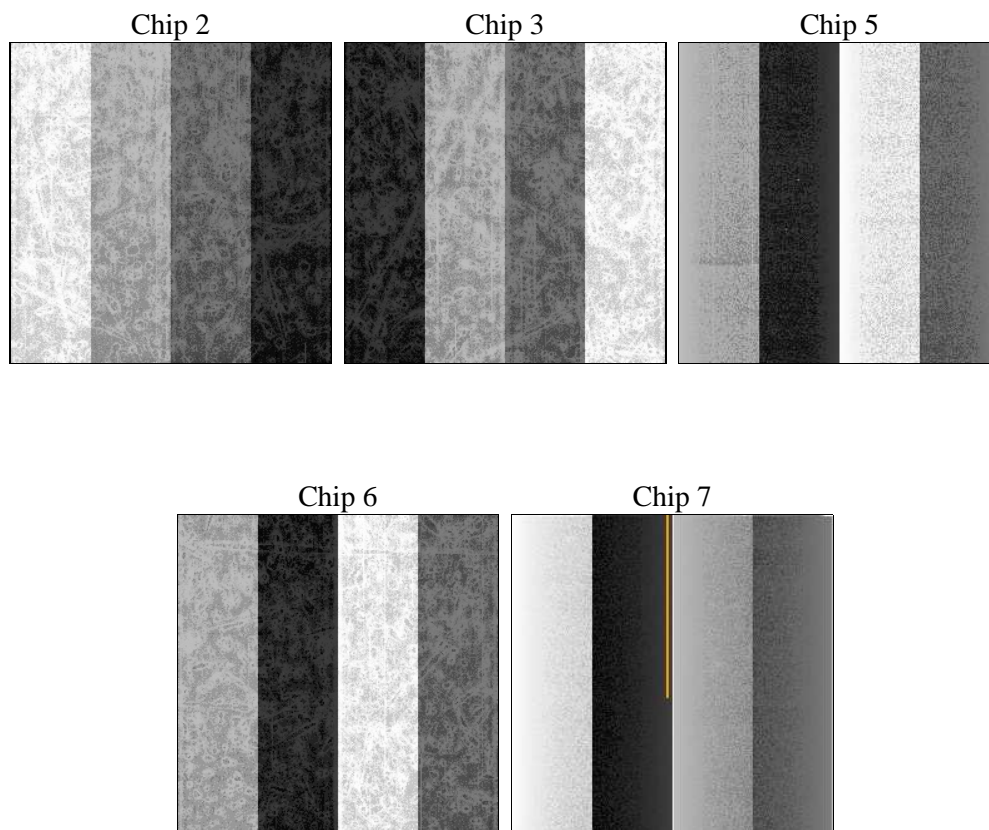
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8069.3000620604	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	8069.3000620604	Sum of GTIs [s]
date	2012-05-07T02:52:52	Date and time of file creation	ontime3	8069.3000620604	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	8069.3000620604	Sum of GTIs [s]
			ontime6	8069.3000620604	Sum of GTIs [s]
			ontime7	8069.3000620604	Sum of GTIs [s]
			l1events	475191	Number of level 1 events

2.1.4 Events

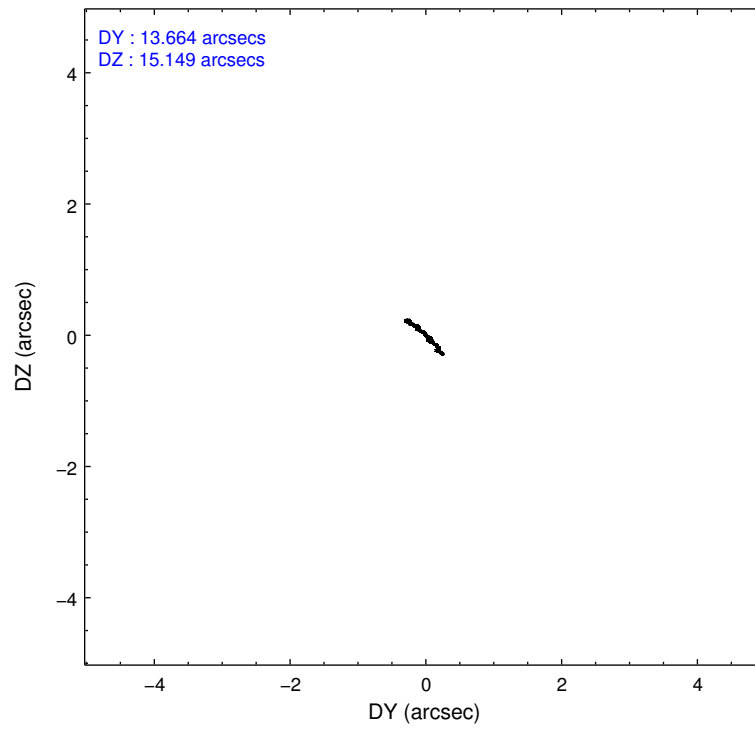
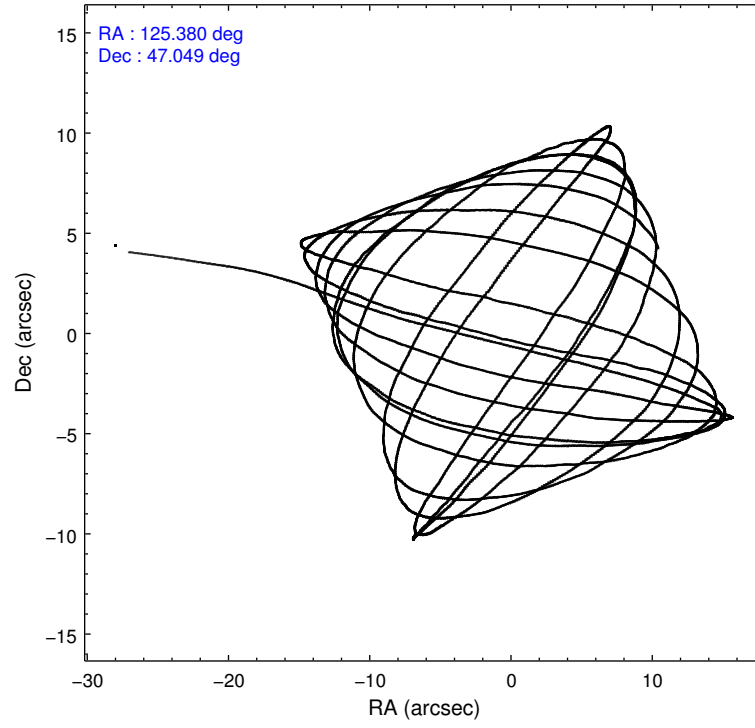
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	82209	78286	124561	79732	110403
rejected events	70541	68444	65800	70452	64579
rejected %	85%	87%	52%	88%	58%

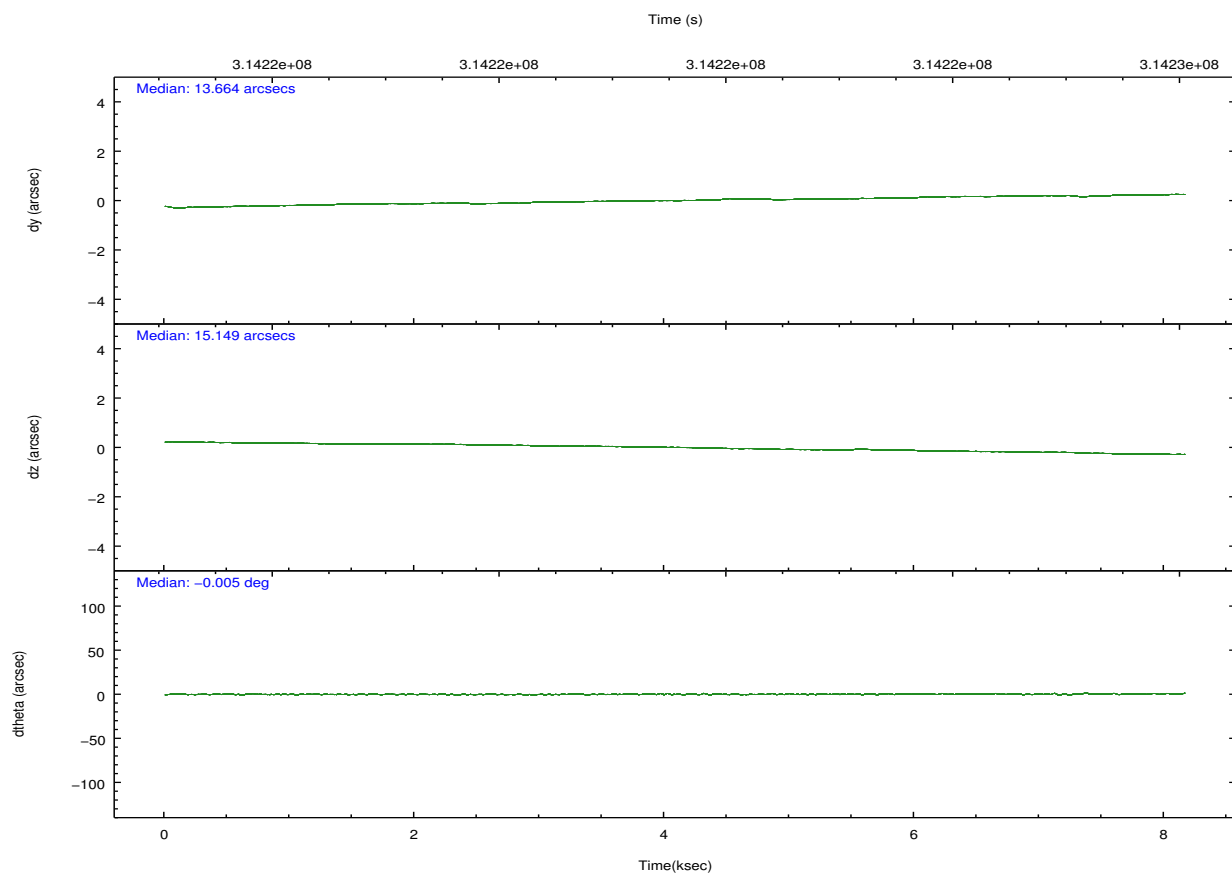
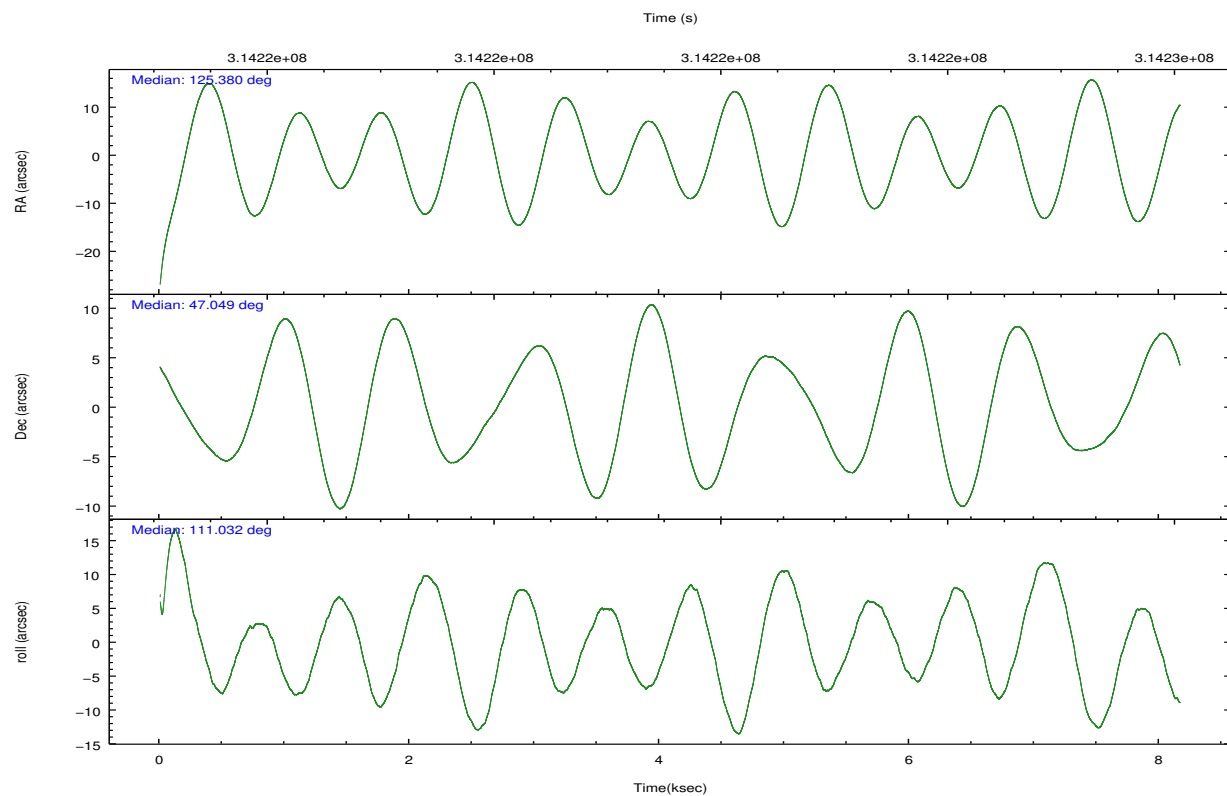
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	6006	4460	7524	3638	3996
	7%	5%	6%	4%	3%
grade 1 events	59	57	287	38	152
	0%	0%	0%	0%	0%
grade 2 events	2176	1834	17696	2107	9359
	2%	2%	14%	2%	8%
grade 3 events	951	882	2063	895	3868
	1%	1%	1%	1%	3%
grade 4 events	900	970	1972	856	3929
	1%	1%	1%	1%	3%
grade 5 events	3081	3672	8501	3758	10257
	3%	4%	6%	4%	9%
grade 6 events	1643	1704	29553	1794	24709
	1%	2%	23%	2%	22%
grade 7 events	67393	64707	56965	66646	54133
	81%	82%	45%	83%	49%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	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	125.411698	125.380106350213	CCD I2 on	Y	Y
[deg] Pointing Dec	47.032165	47.04909133228212	CCD I3 on	Y	Y
[deg] Pointing Roll	110.860778	111.0405010181736	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	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	N	N
[s] Observation start time (MET)	314217645.184000	314216698.00171	CCD S5 on	N	N
Observation start date	2007-12-16T18:39:40	2007-12-16T18:24:58	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	314225645.184000	314227013.60221	On-chip summing requested	N	N
Observation end date	2007-12-16T20:53:00	2007-12-16T21:16:53	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



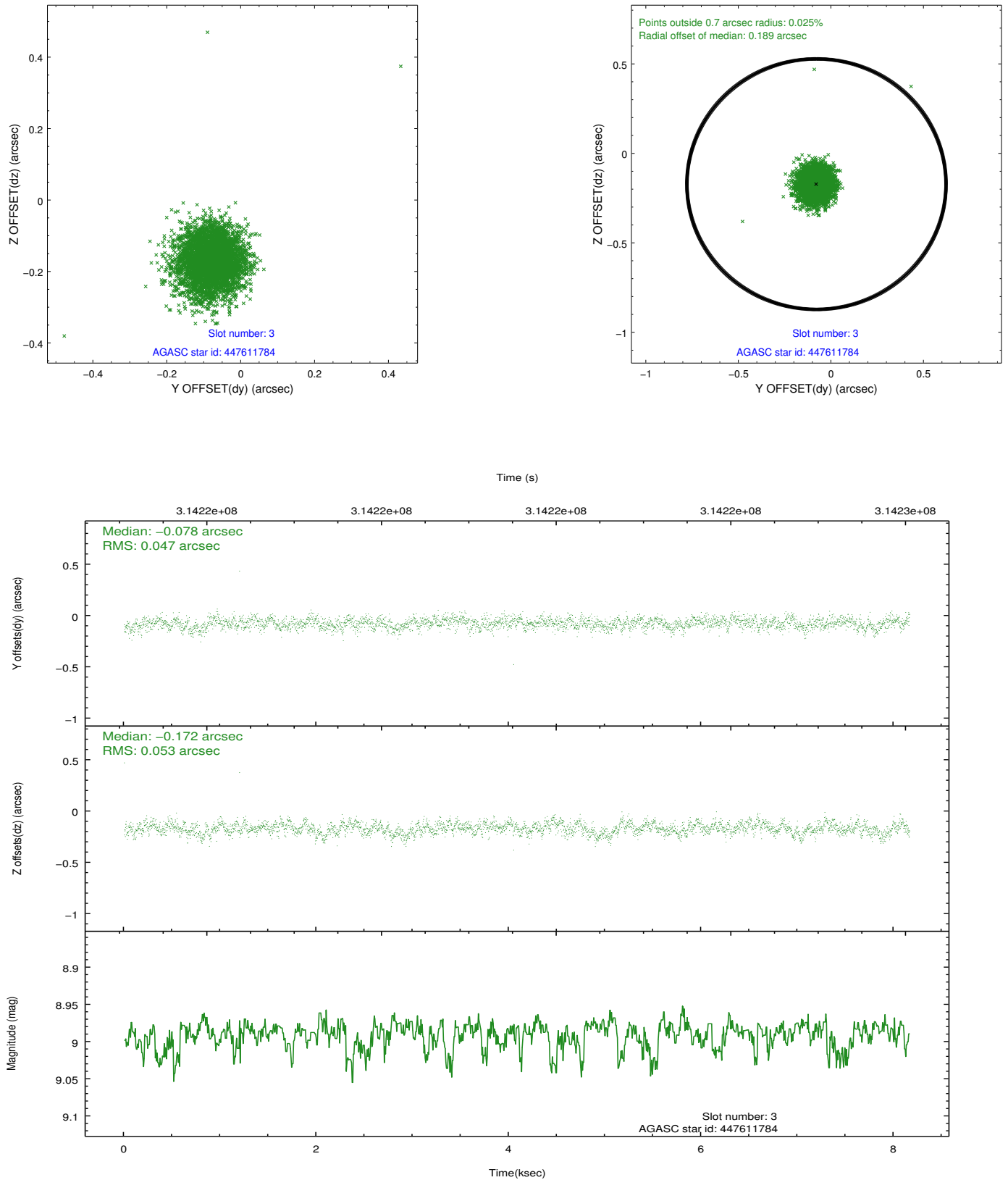


Slot Statistics

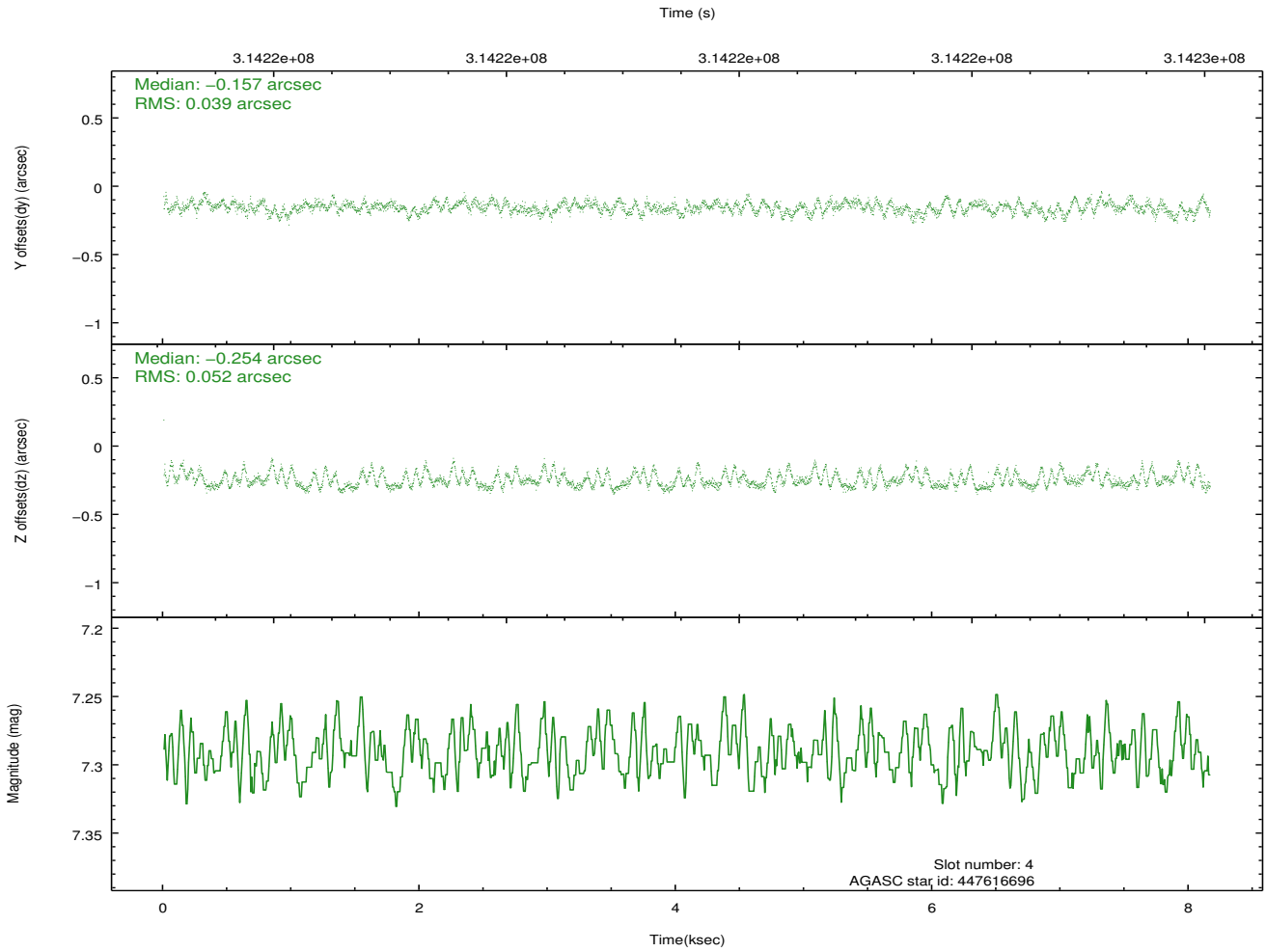
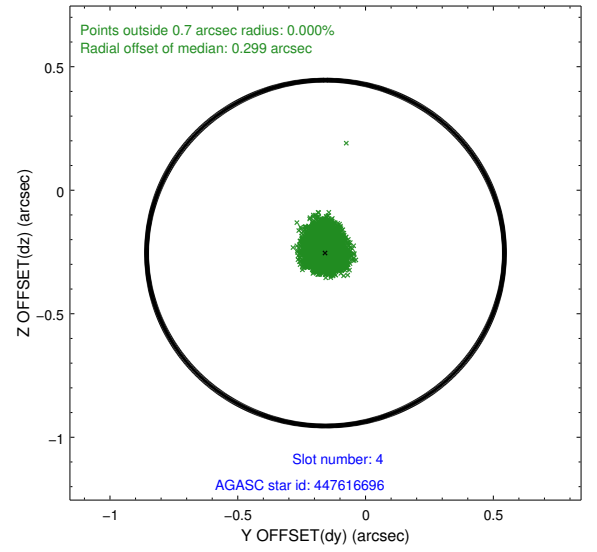
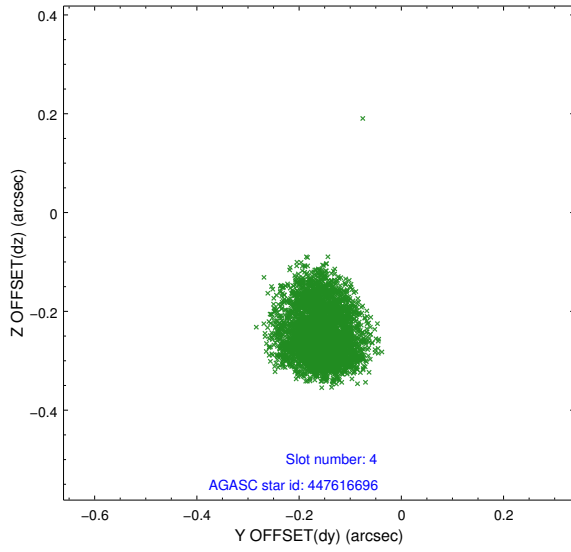
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1991	-0.060	-0.020	0.009	0.015	0.000000	0.000000	-766.64	-1736.50
1	FID	ACIS-S-4	7.19	1991	0.179	0.034	0.008	0.014	0.000000	0.000000	2146.55	171.36
2	FID	ACIS-S-5	7.22	1991	-0.151	-0.005	0.007	0.011	0.000000	0.000000	-1818.71	165.73
3	GUIDE	447611784	8.99	3973	-0.078	-0.172	0.074	0.119	124.255834	47.313443	1970.02	2268.35
4	GUIDE	447616696	7.29	3983	-0.157	-0.254	0.068	0.110	124.645603	47.034006	684.04	1751.47
5	GUIDE	447619992	8.21	3982	0.203	0.049	0.060	0.095	125.819208	46.999599	-463.10	-893.36
6	GUIDE	447628280	8.38	3983	0.032	0.316	0.071	0.116	126.408314	47.033933	-850.20	-2292.67
7	GUIDE	447613688	7.88	3982	0.002	0.060	0.055	0.088	125.250245	47.419076	1441.89	-128.95

2.4 Star Slots

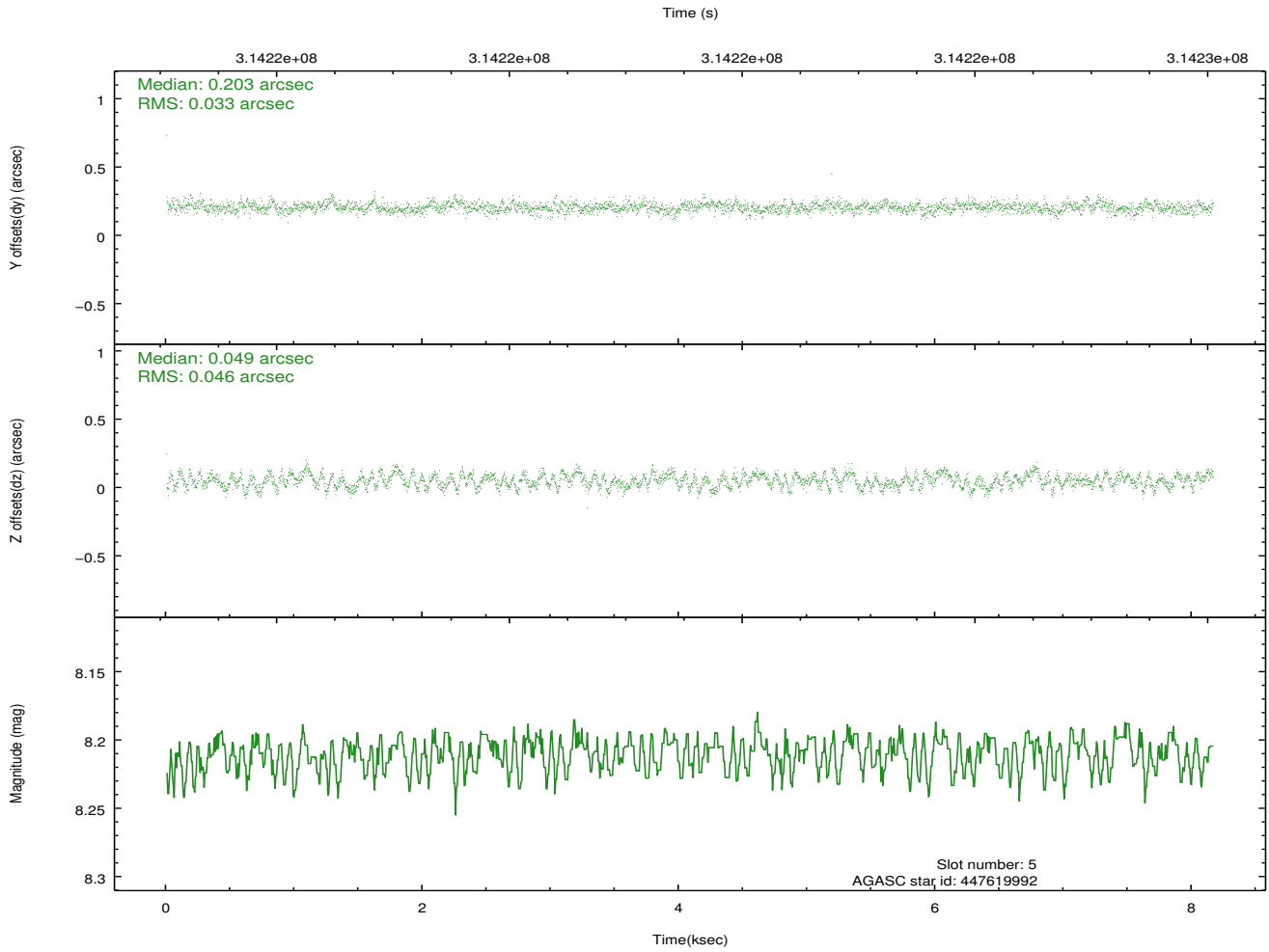
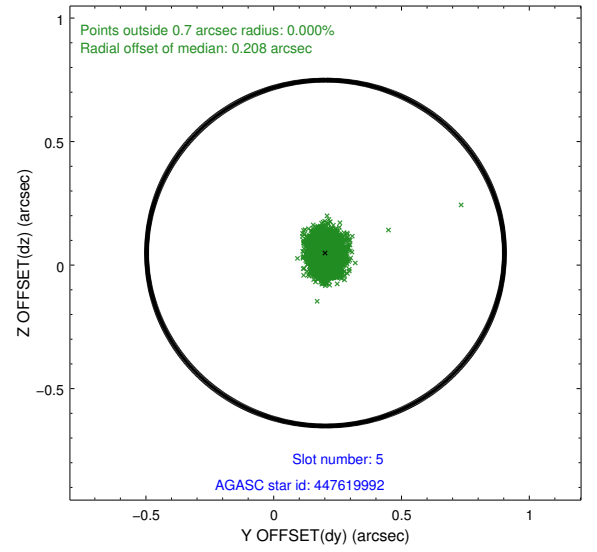
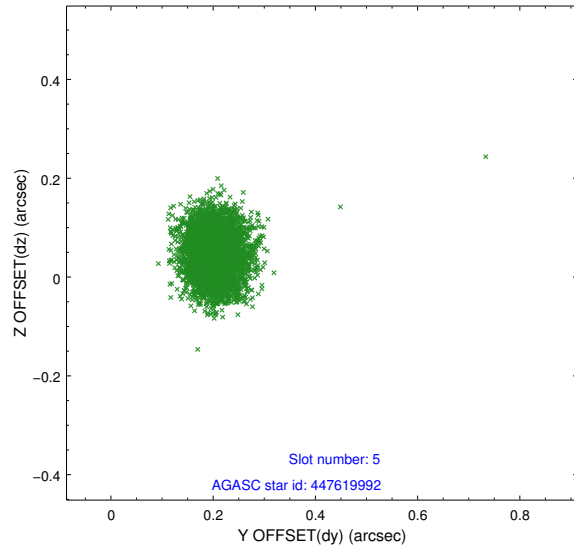
2.4.1 Slot 3



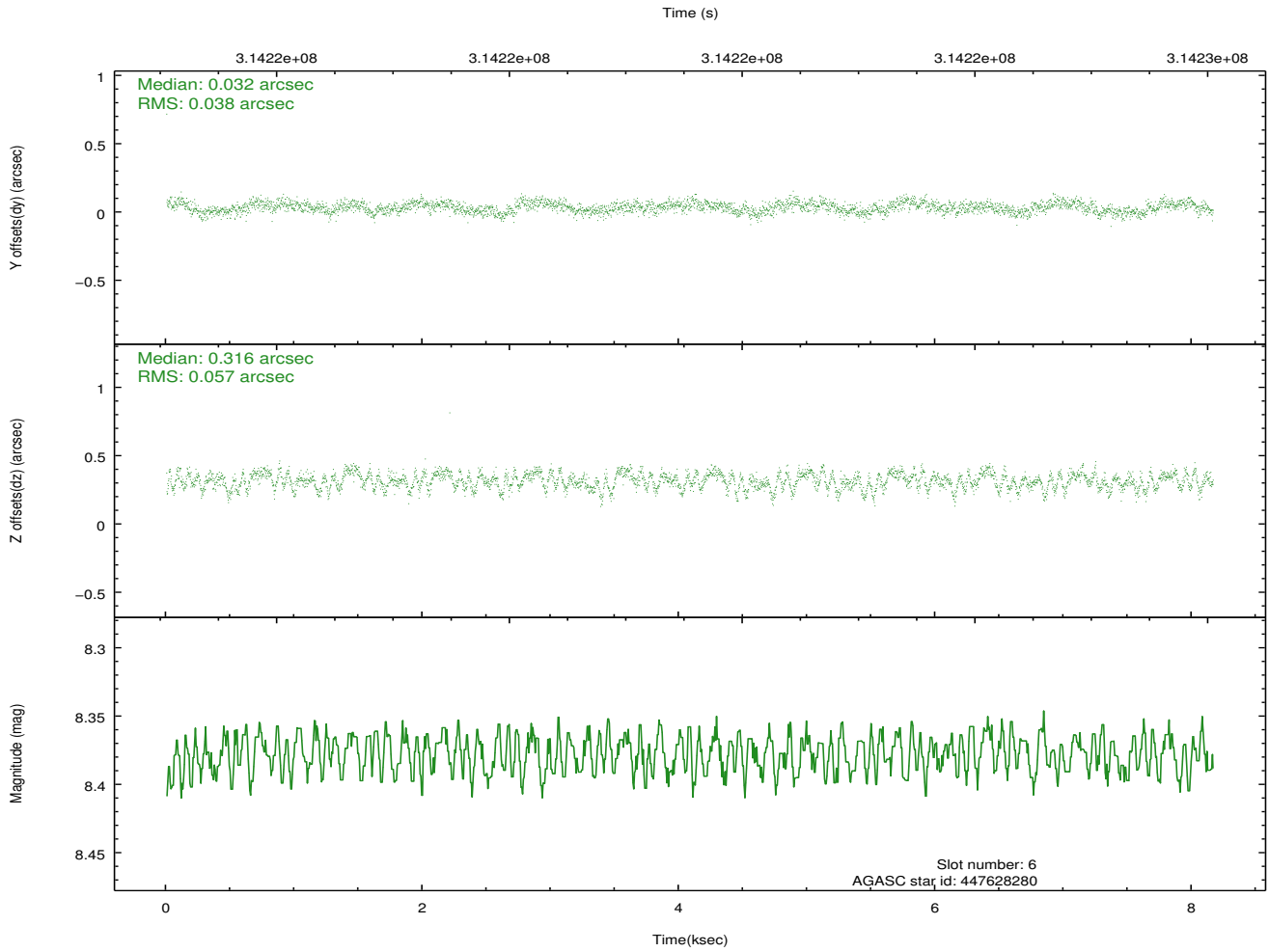
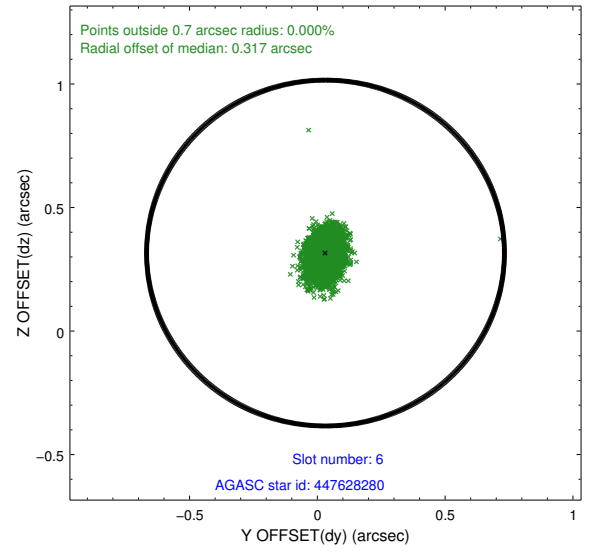
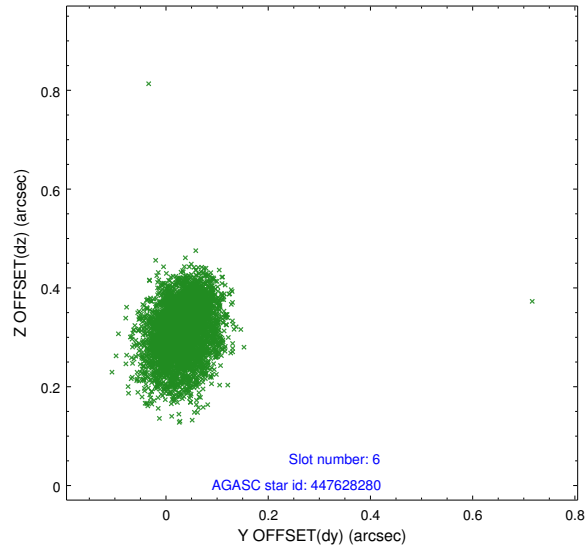
2.4.2 Slot 4



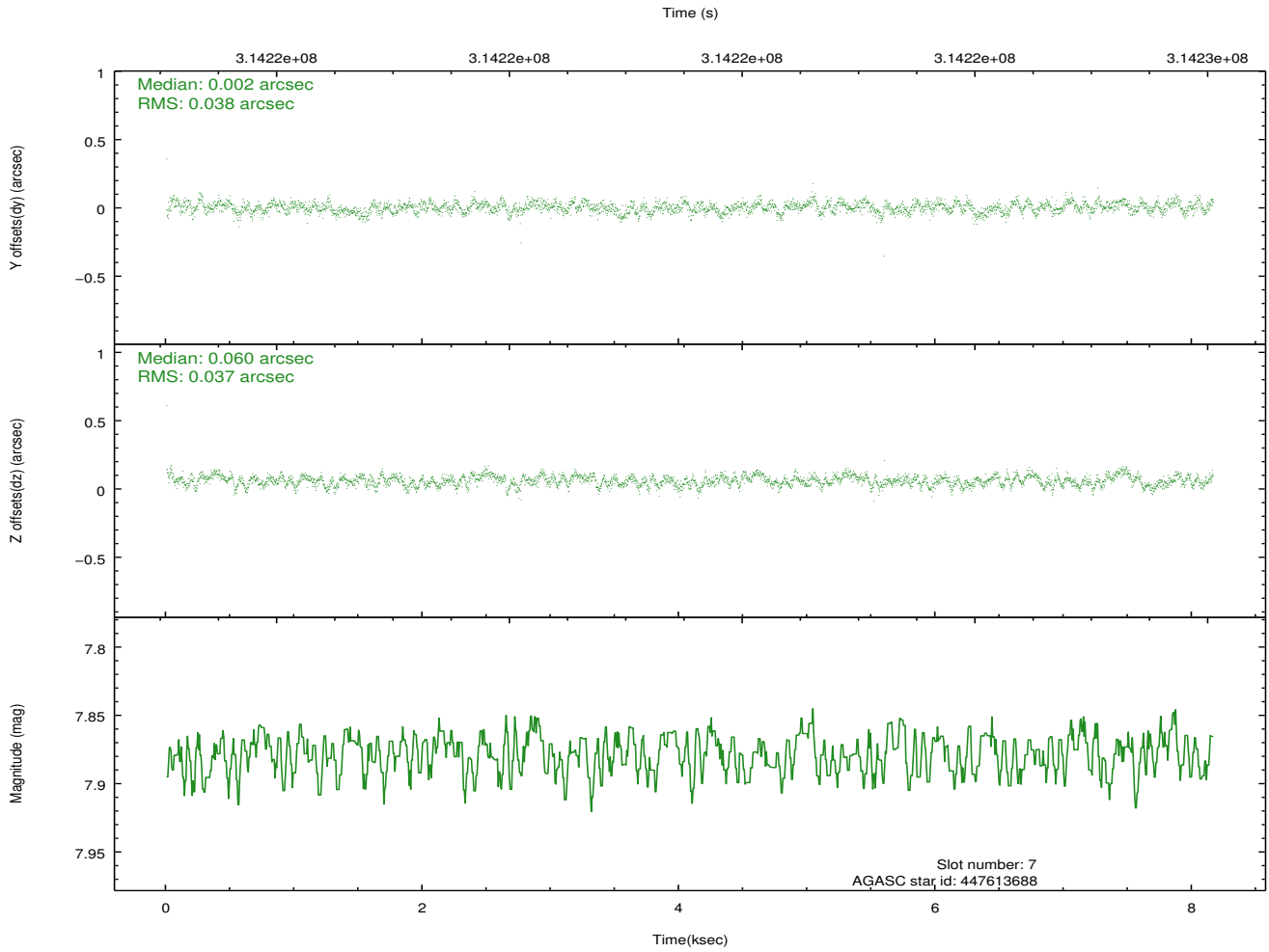
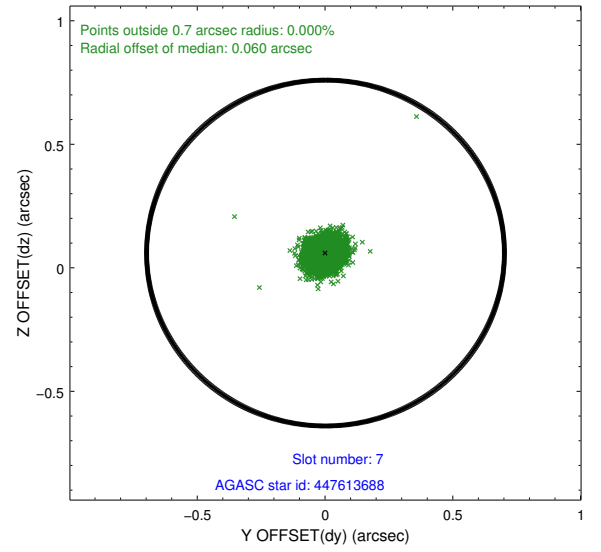
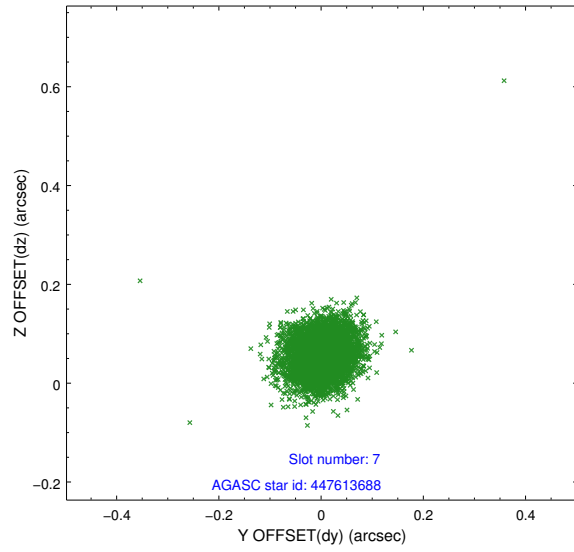
2.4.3 Slot 5



2.4.4 Slot 6

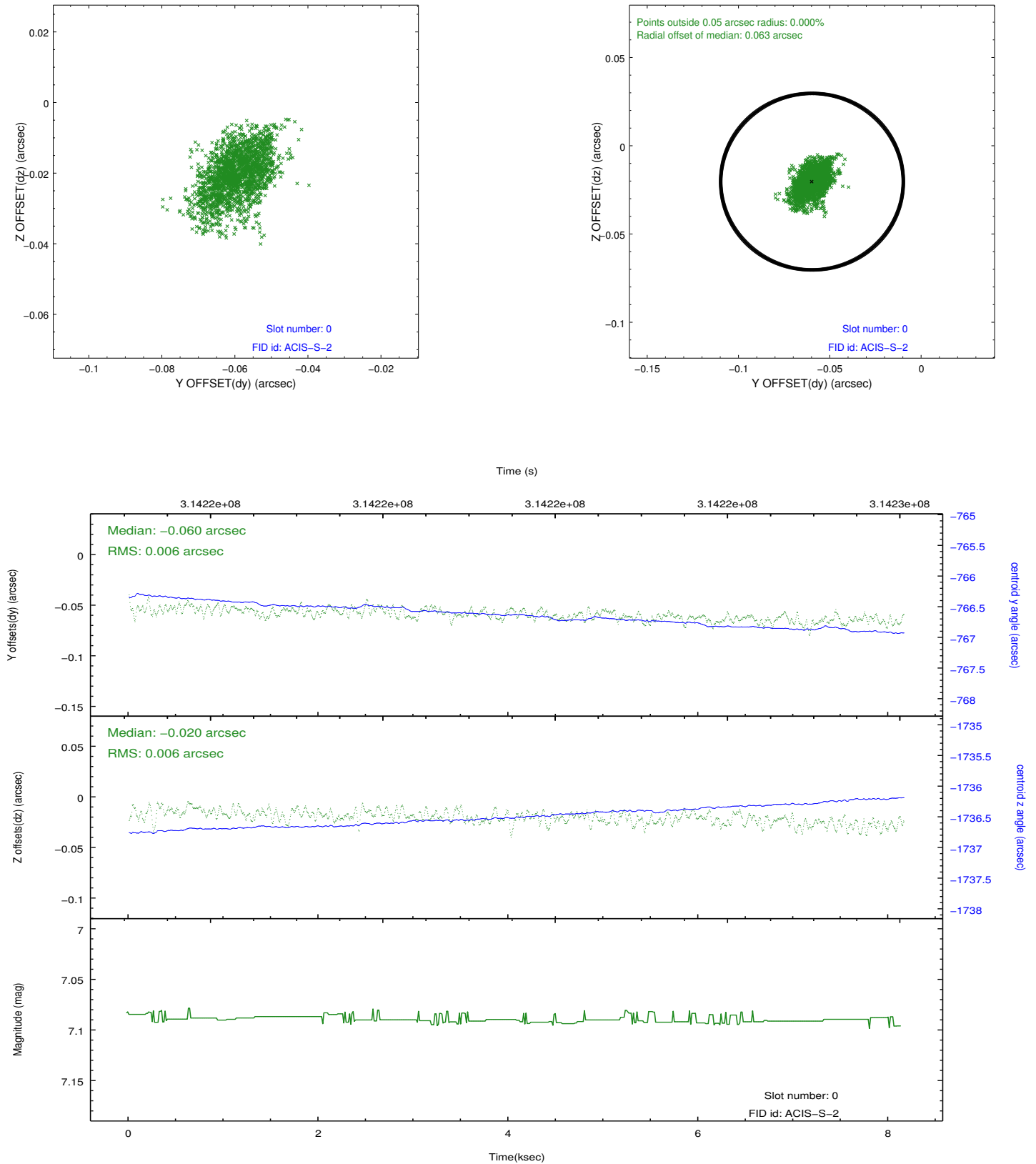


2.4.5 Slot 7

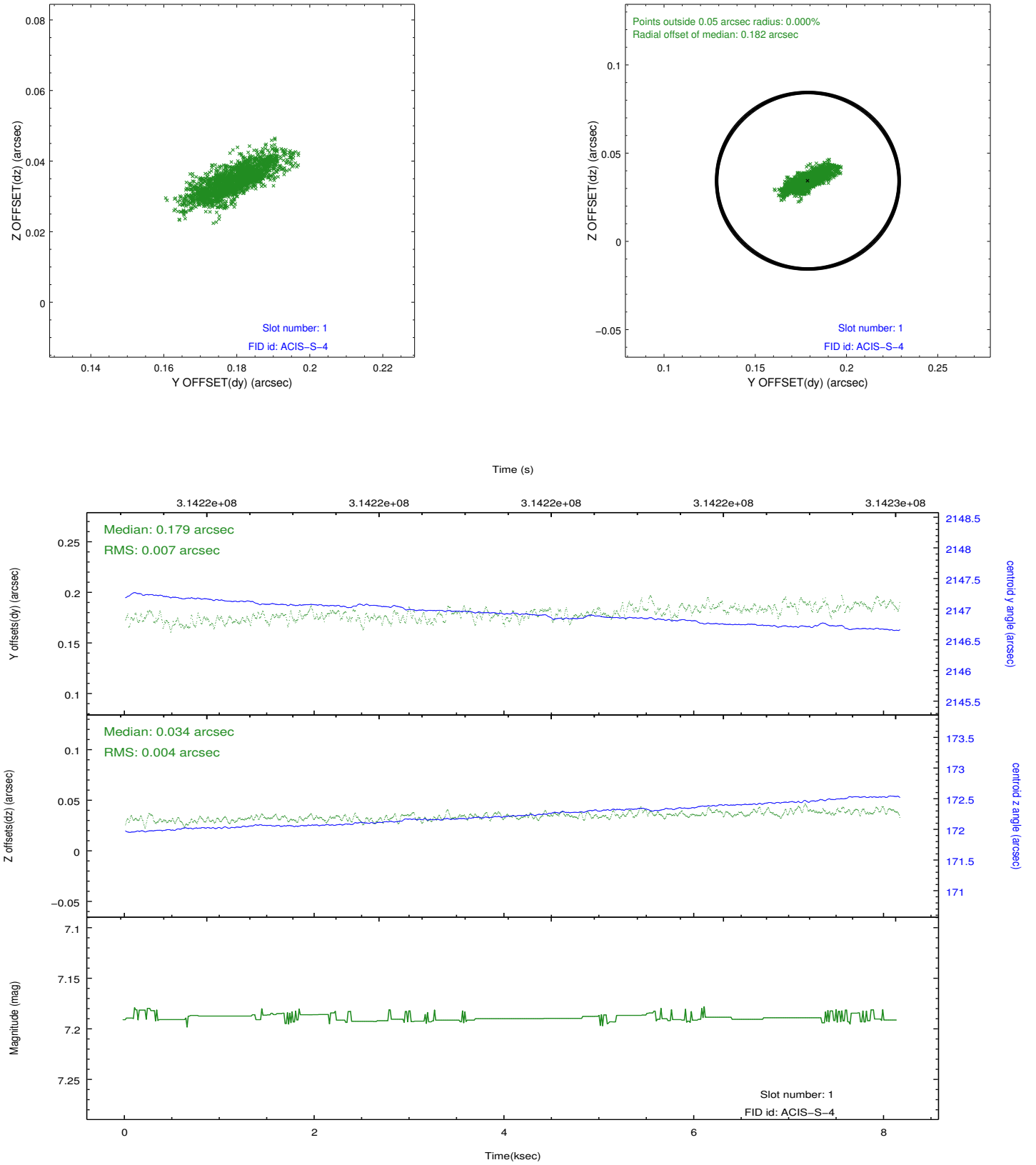


2.5 FID Slots

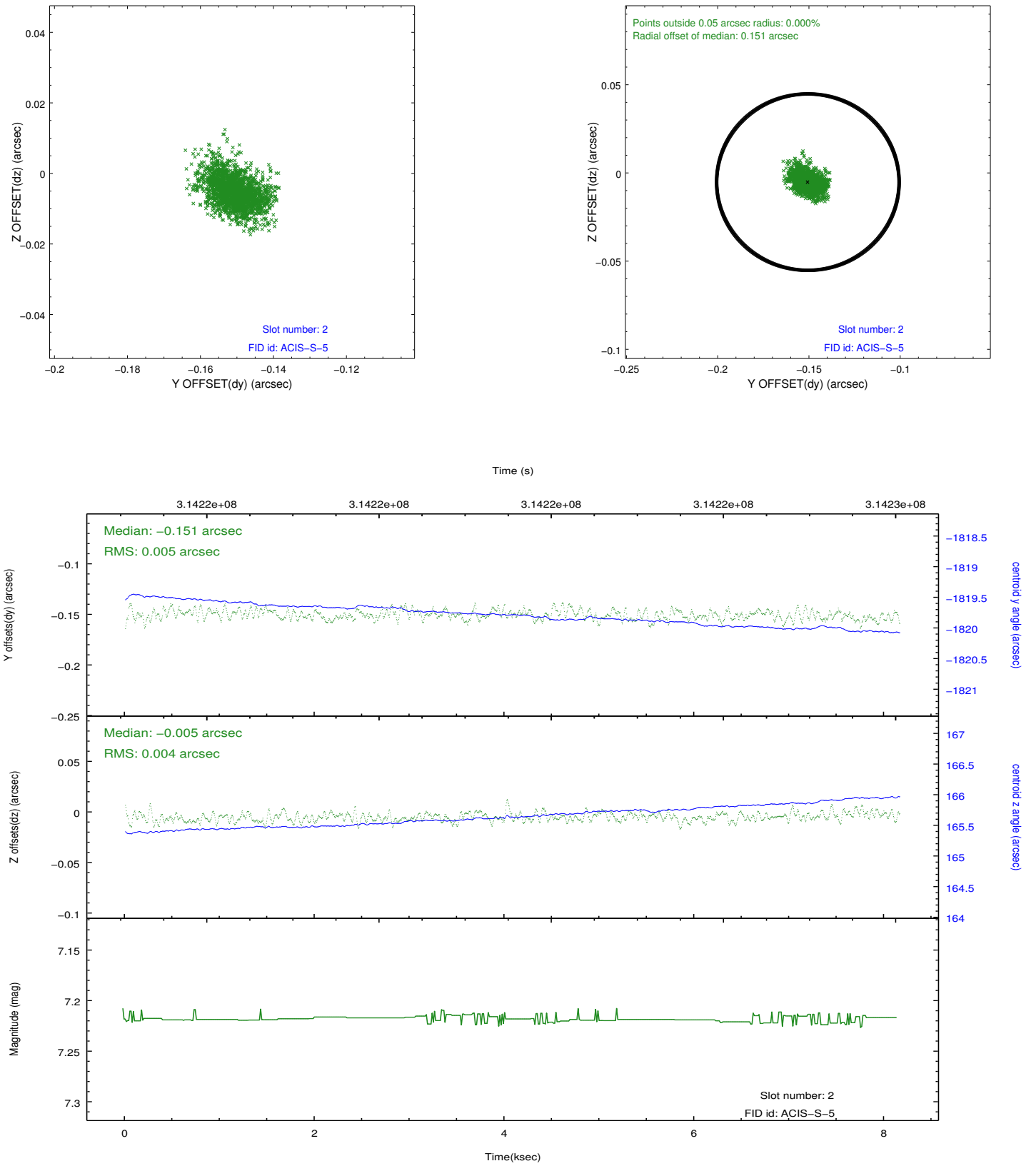
2.5.1 Slot 0



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)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.06930006

A.2 Comments

Coordinates of source are ra=08:21:33.61, dec=+47:02:37.3. NED coordinates for this object are ra=08h21m33.6s, dec=+47d02m37s. Observer requested ra=08:21:32.60, dec=+47:02:46.10, so target is not exactly at aim point.