

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10741 - L2 Version 2
Chandra X-Ray Center

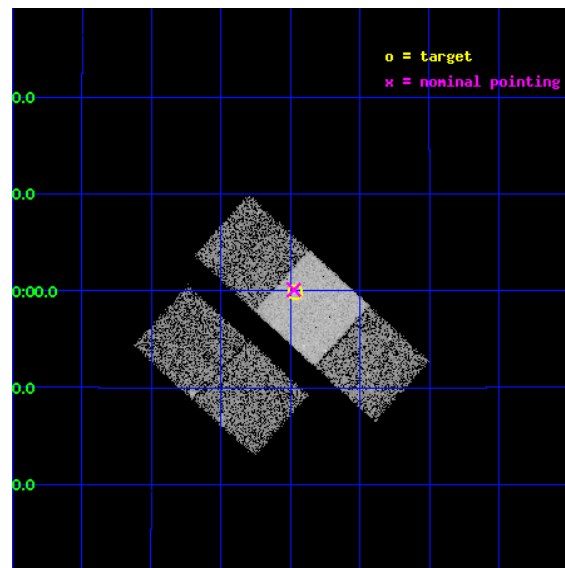
L2 Processing Date : Jun 17 2012

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1 Front

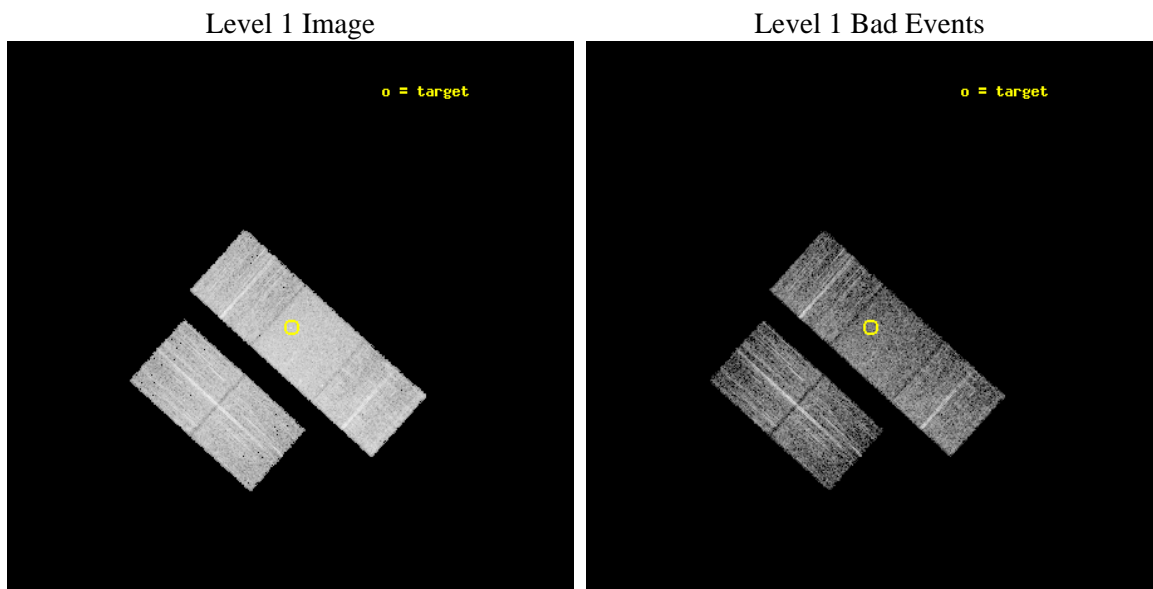
seq_num	701971	Sequence number
obs_id	10741	Observation id
title	A Chandra Snapshot Survey of Bright Mini-BAL Quasars	Proposal titl
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J141028.14+135950.2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	212.61725	Observer's specified target RA [deg]
dec_targ	13.997278	Observer's specified target Dec [deg]
ra_nom	212.61865835215	Nominal RA [deg]
dec_nom	14.001912081587	Nominal Dec [deg]
roll_nom	42.221710667458	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4082.7000313997	Sum of GTIs [s]
livetime	4029.3565498495	Livetime [s]
ontime2	4079.5590711236	Sum of GTIs [s]
ontime3	4082.7000313997	Sum of GTIs [s]
ontime6	4082.7000313997	Sum of GTIs [s]
ontime7	4082.7000313997	Sum of GTIs [s]
ontime8	4082.7000313997	Sum of GTIs [s]
l2events	44388	Number of level 2 events



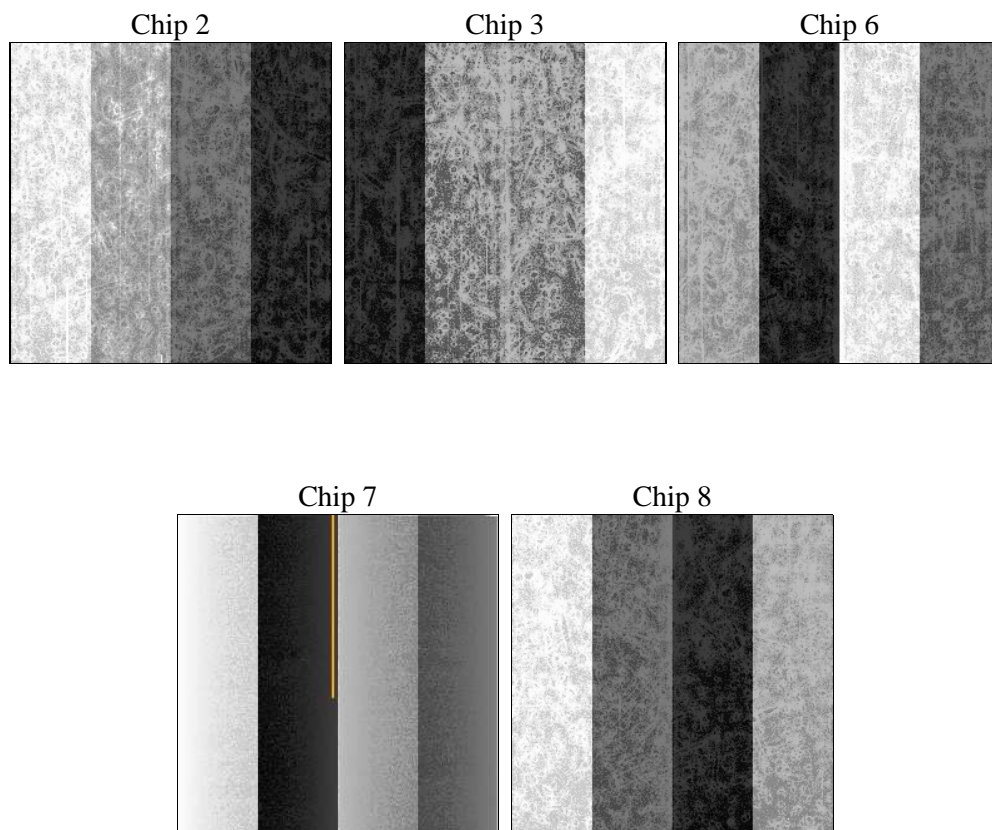
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4082.7000313997	Sum of GTIs [s]
caldsver	4.4.10	 	ontime2	4079.5590711236	Sum of GTIs [s]
date	2012-06-17T06:03:52	Date and time of file creation	ontime3	4082.7000313997	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	4082.7000313997	Sum of GTIs [s]
			ontime7	4082.7000313997	Sum of GTIs [s]
			ontime8	4082.7000313997	Sum of GTIs [s]
			l1events	245286	Number of level 1 events

2.1.4 Events

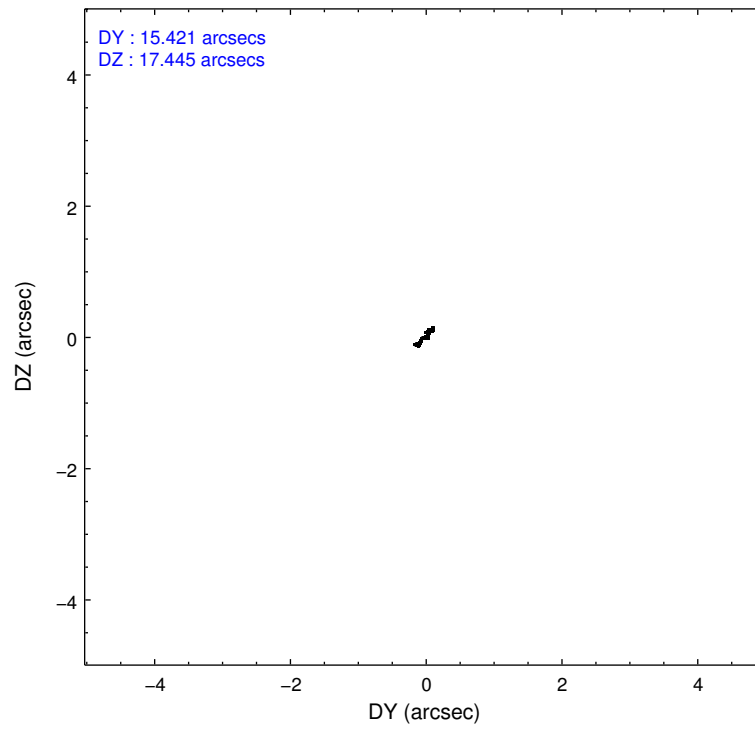
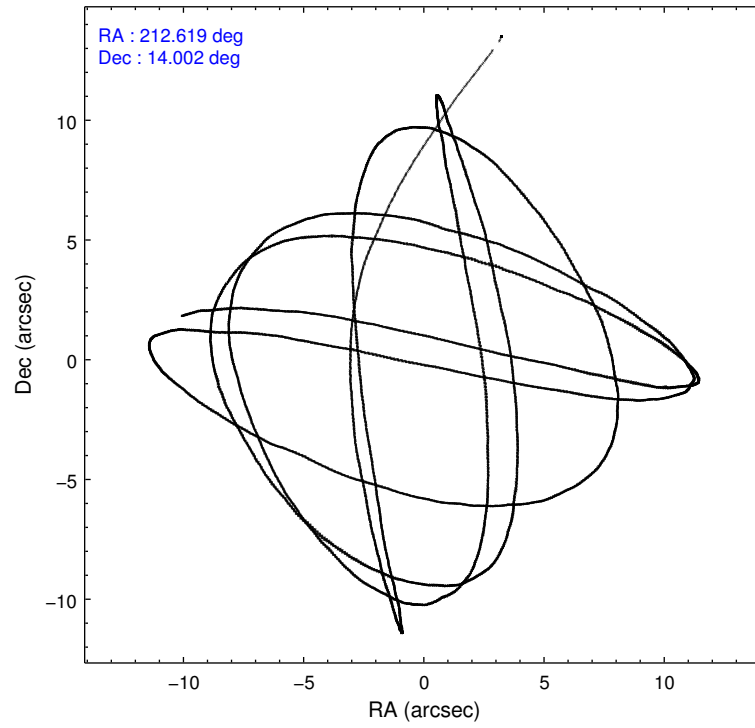
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	43804	40787	43848	61102	55745
rejected events	38549	35534	38493	35455	42393
rejected %	88%	87%	87%	58%	76%

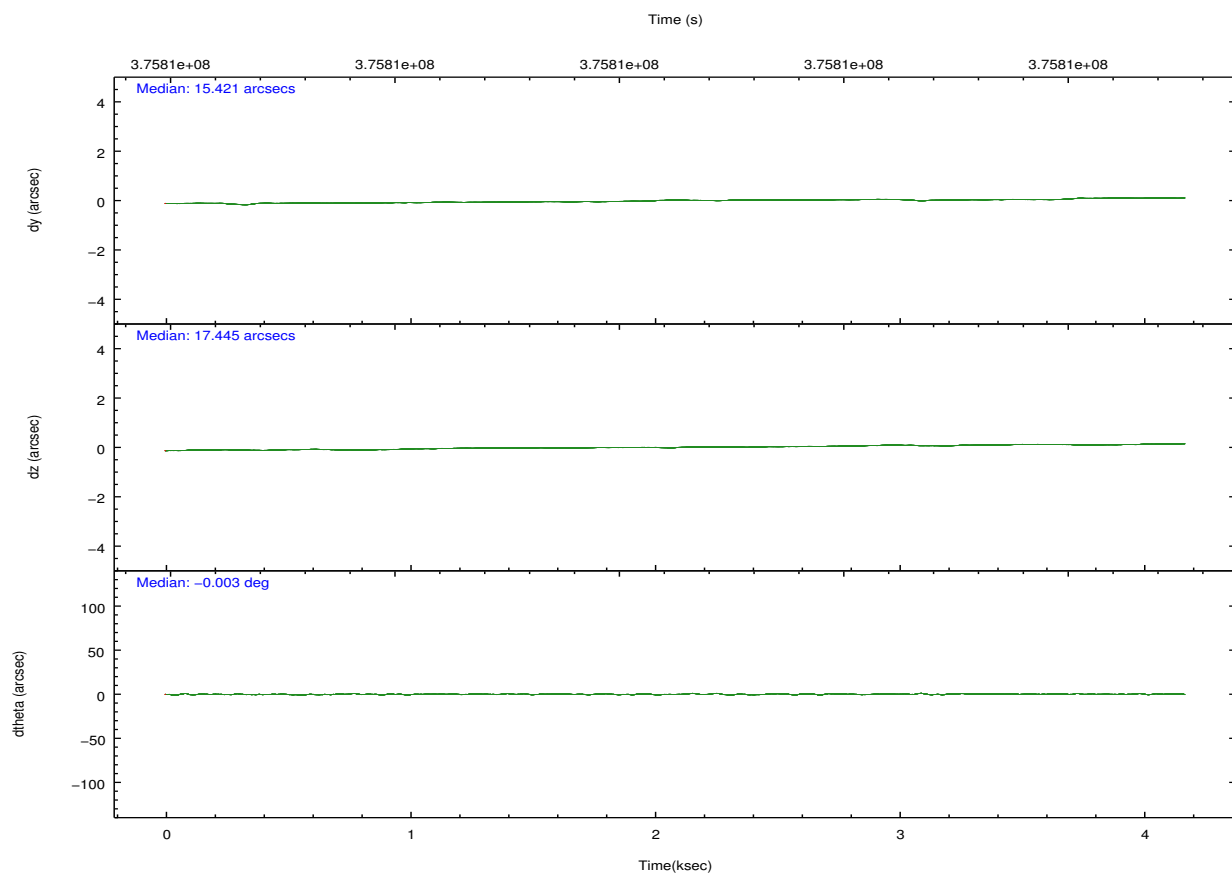
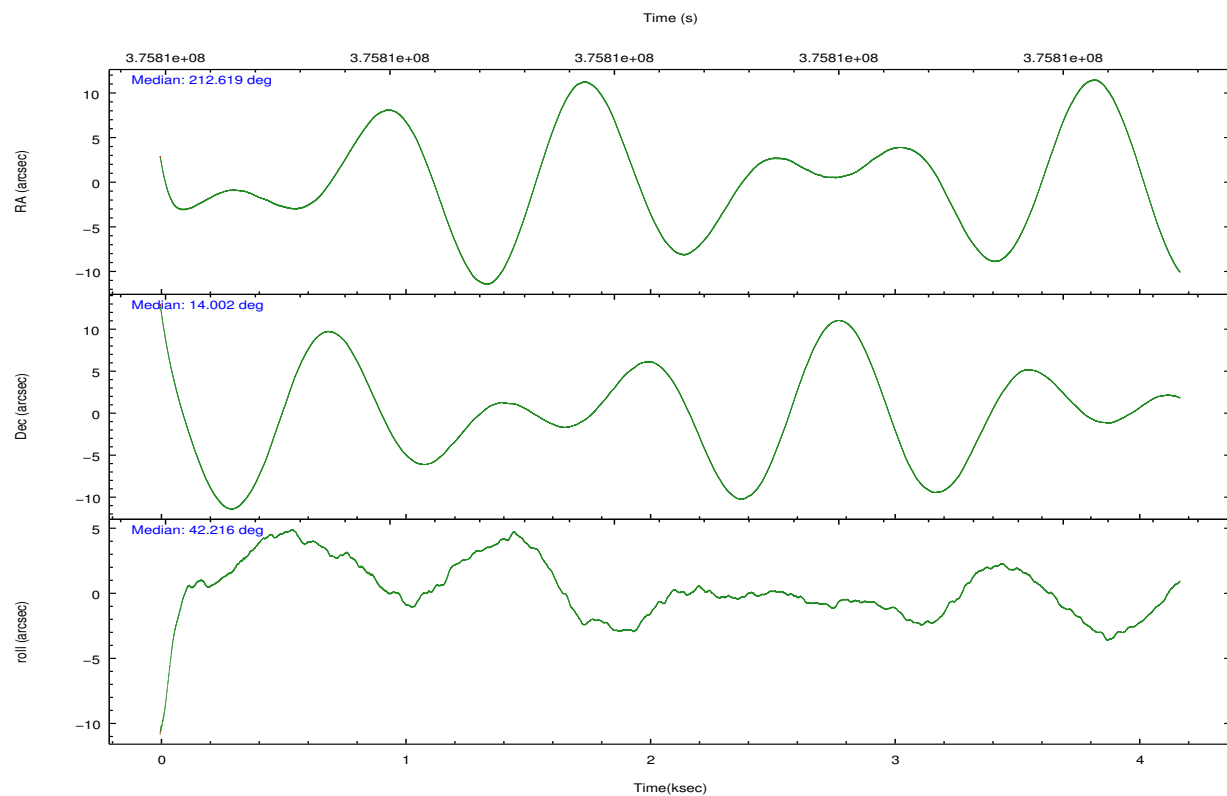
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2327	2210	2085	2138	4150
	5%	5%	4%	3%	7%
grade 1 events	29	27	28	59	49
	0%	0%	0%	0%	0%
grade 2 events	1109	1084	1245	5310	3138
	2%	2%	2%	8%	5%
grade 3 events	476	505	465	2106	1344
	1%	1%	1%	3%	2%
grade 4 events	500	484	495	2122	1257
	1%	1%	1%	3%	2%
grade 5 events	1728	2022	2129	5528	2911
	3%	4%	4%	9%	5%
grade 6 events	849	974	1069	13994	3465
	1%	2%	2%	22%	6%
grade 7 events	36786	33481	36332	29845	39431
	83%	82%	82%	48%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	212.610402	212.6186583521507	CCD I2 on	O1	Y
[deg] Pointing Dec	13.975790	14.00191208158686	CCD I3 on	O2	Y
[deg] Pointing Roll	42.067113	42.22171066745801	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	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	Y	Y
[s] Observation start time (MET)	375807333.184000	375806378.57852	CCD S5 on	N	N
Observation start date	2009-11-28T14:54:27	2009-11-28T14:39:38	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	375811333.184000	375811805.9538	On-chip summing requested	N	N
Observation end date	2009-11-28T16:01:07	2009-11-28T16:10:05	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



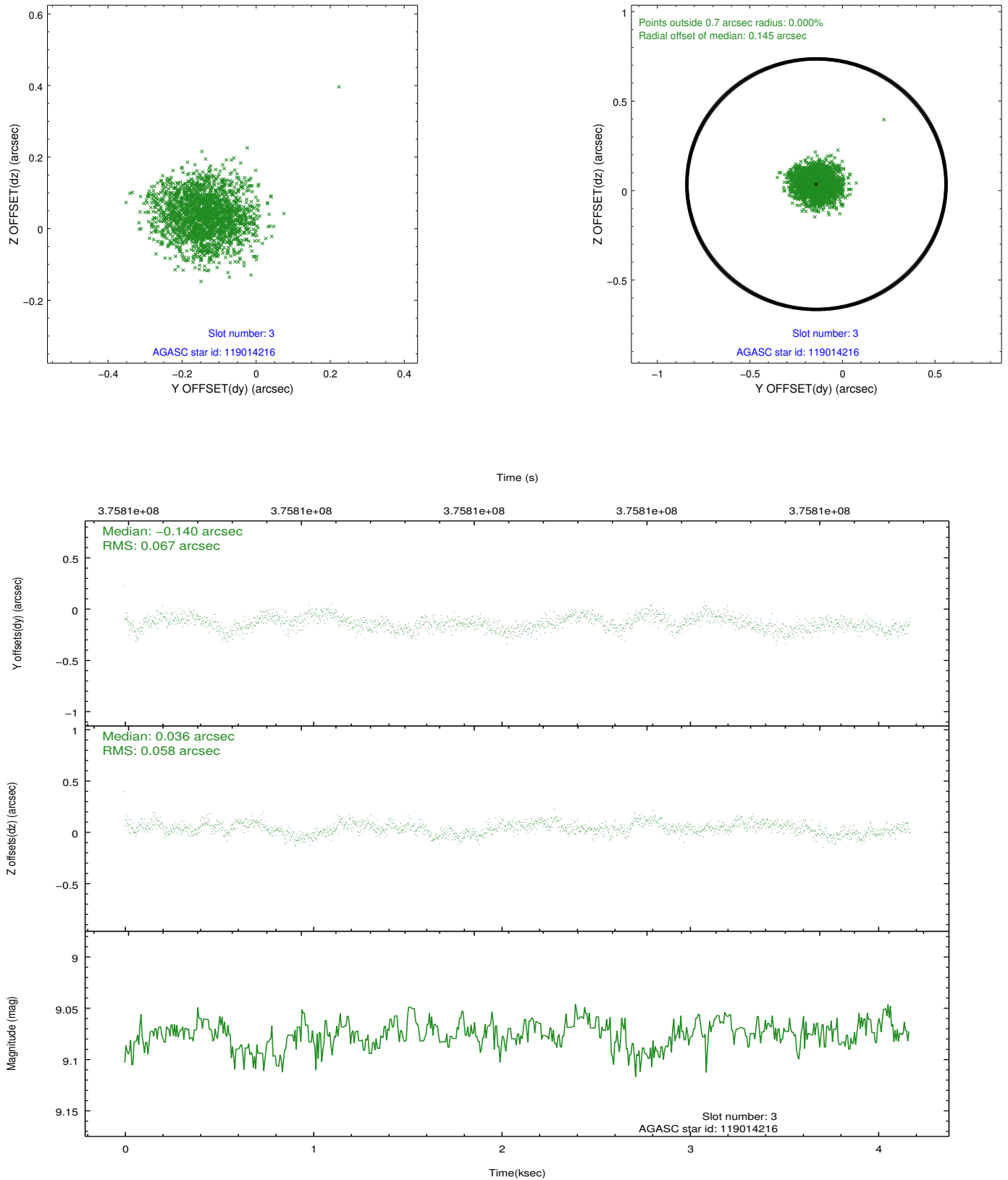


Slot Statistics

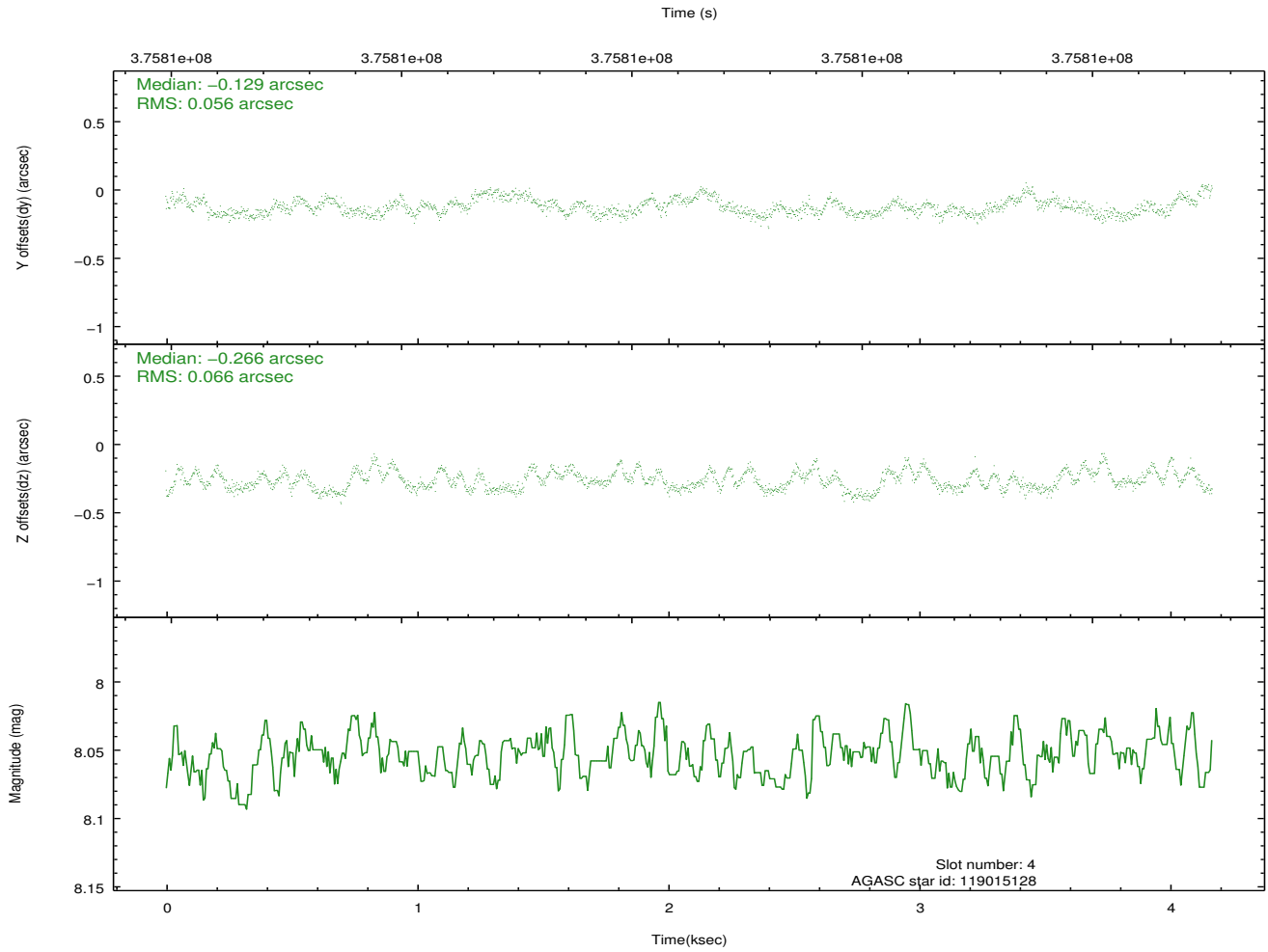
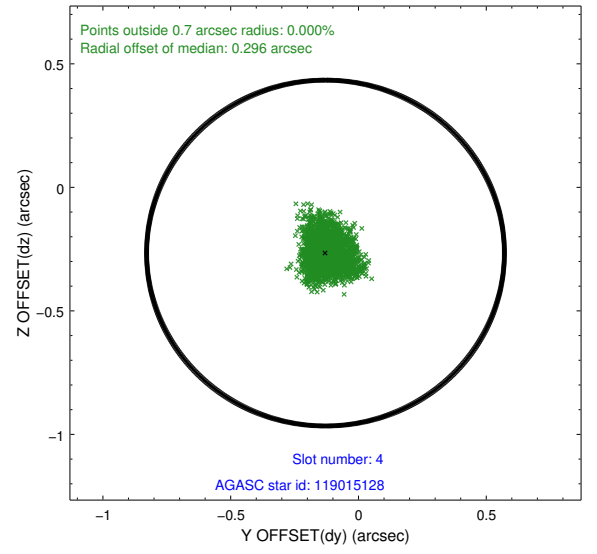
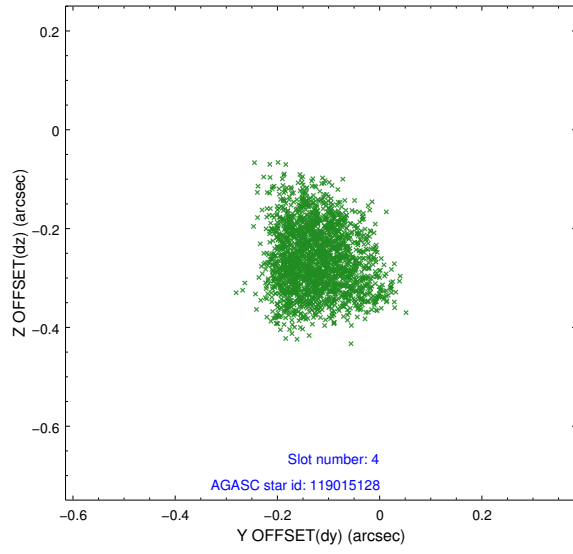
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	1018	-0.073	-0.053	0.006	0.011	0.000000	0.000000	-768.50	-1738.88
1	FID	ACIS-S-4	6.97	1018	0.192	0.049	0.006	0.011	0.000000	0.000000	2144.41	168.08
2	FID	ACIS-S-5	7.01	1018	-0.151	0.012	0.007	0.011	0.000000	0.000000	-1819.47	163.51
3	GUIDE	119014216	9.07	2035	-0.140	0.036	0.096	0.149	213.127822	14.307528	2141.02	-320.64
4	GUIDE	119015128	8.05	2034	-0.129	-0.266	0.093	0.146	212.420876	14.415407	571.04	1617.73
5	GUIDE	119018568	8.96	2030	0.062	0.139	0.106	0.166	212.632455	13.824945	-306.04	-453.30
6	GUIDE	119019360	9.50	2017	0.125	0.053	0.119	0.188	212.810413	13.559103	-484.86	-1582.34
7	GUIDE	118885512	9.26	2032	0.070	0.034	0.117	0.185	211.686298	14.060236	-2188.05	2391.90

2.4 Star Slots

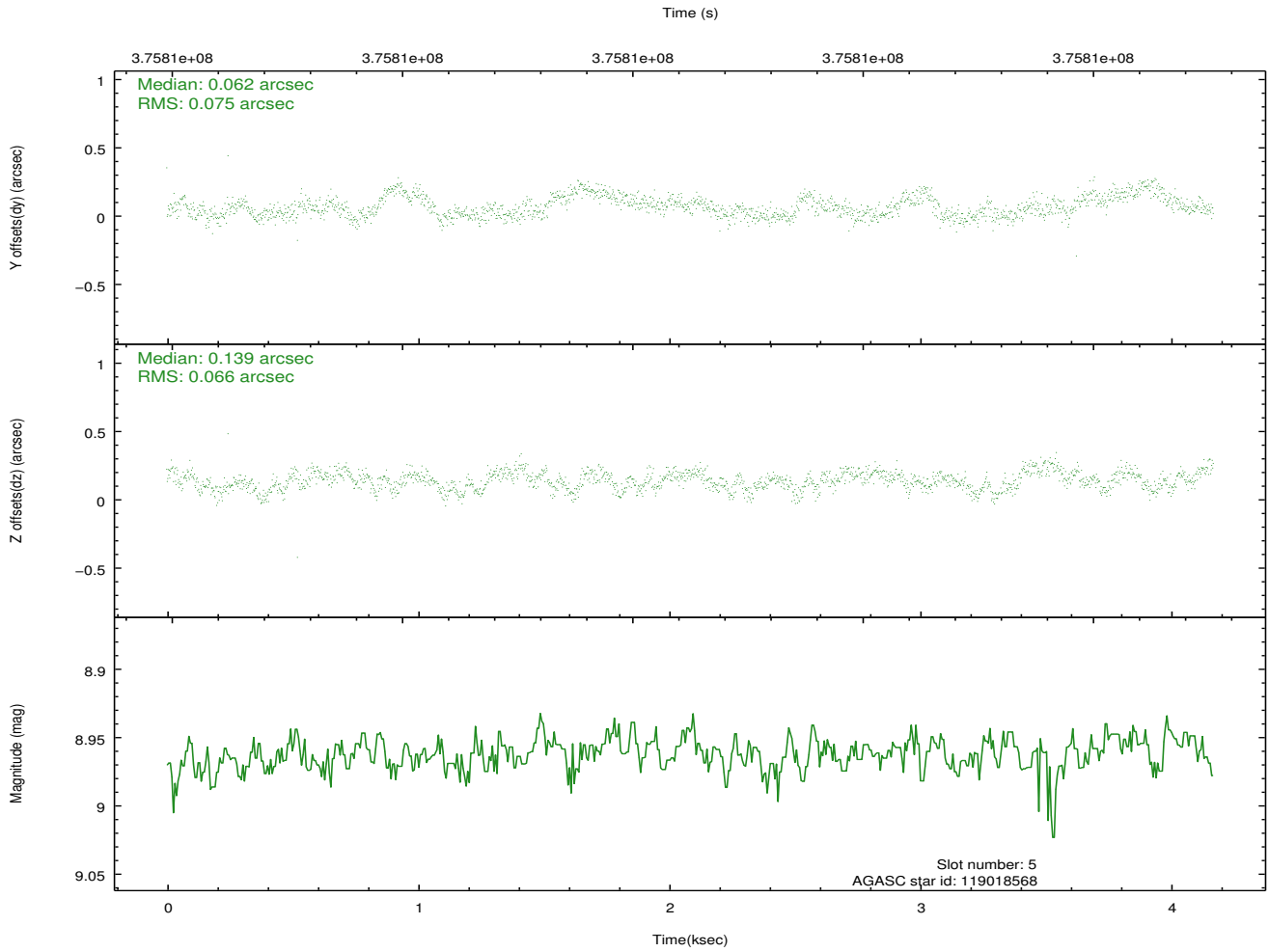
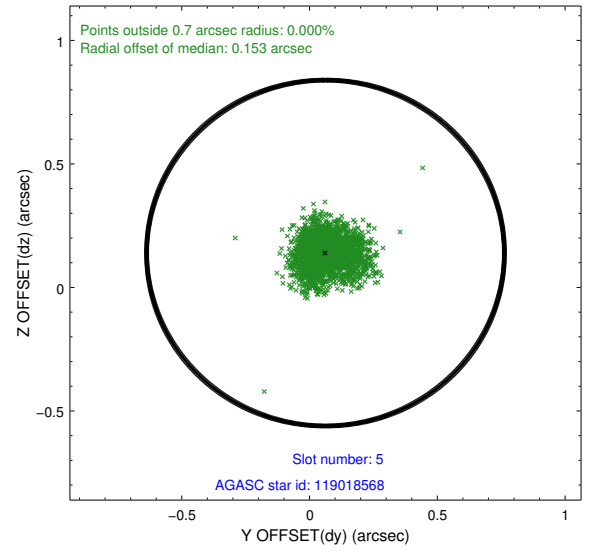
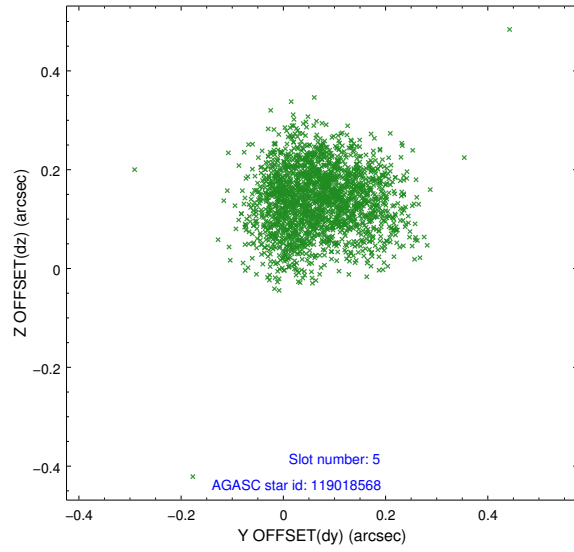
2.4.1 Slot 3



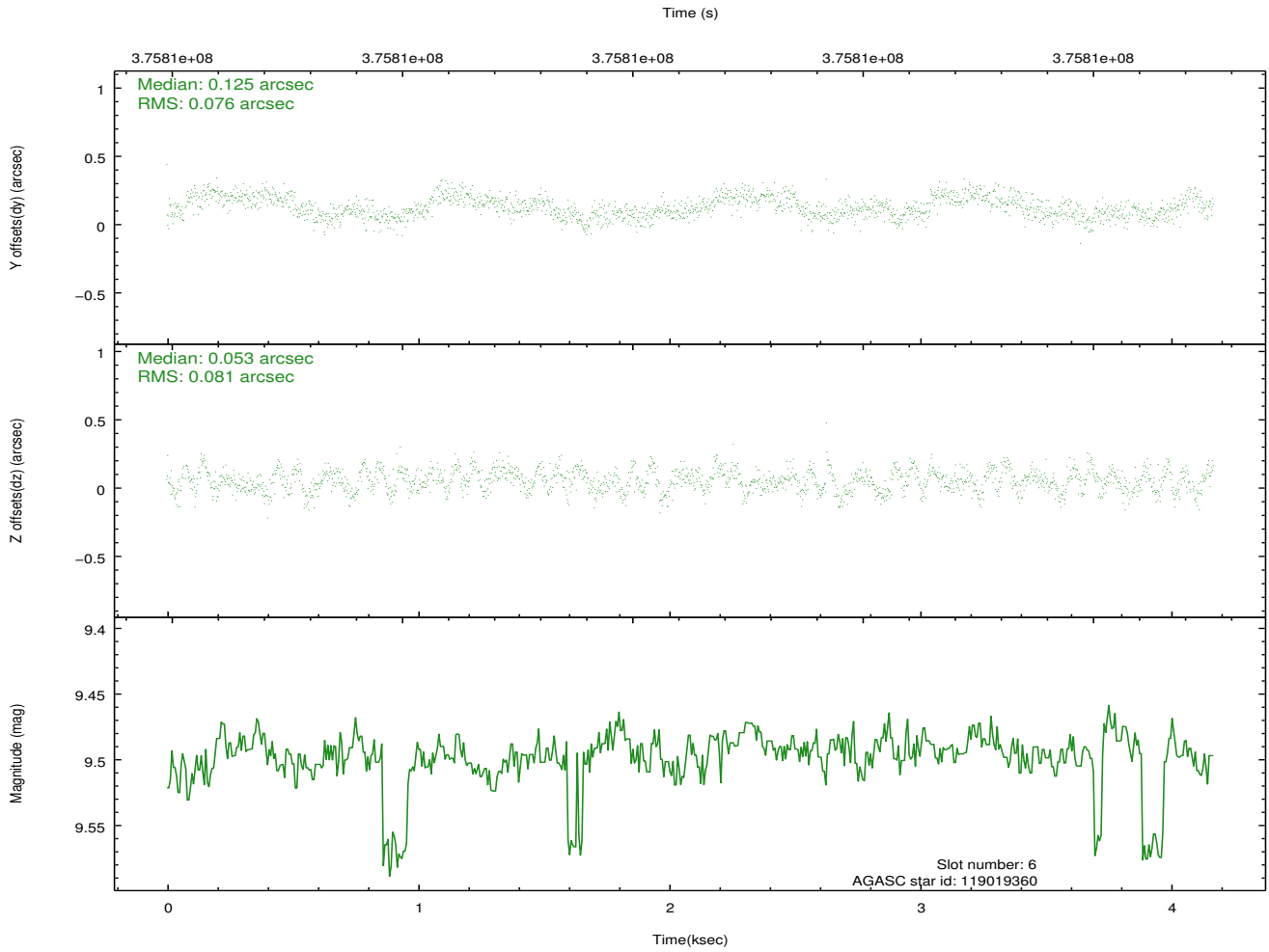
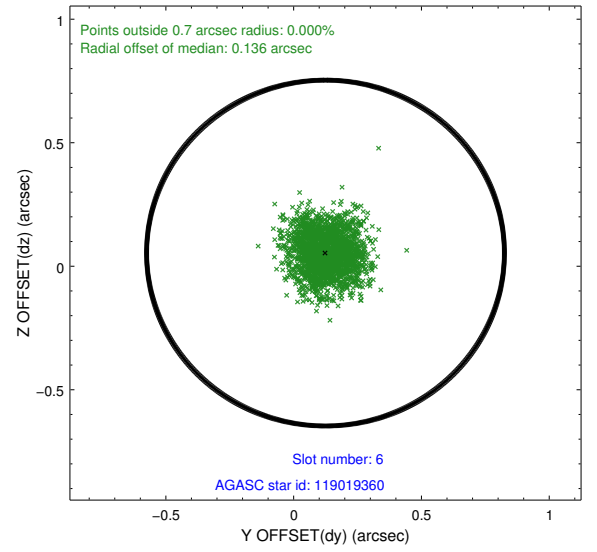
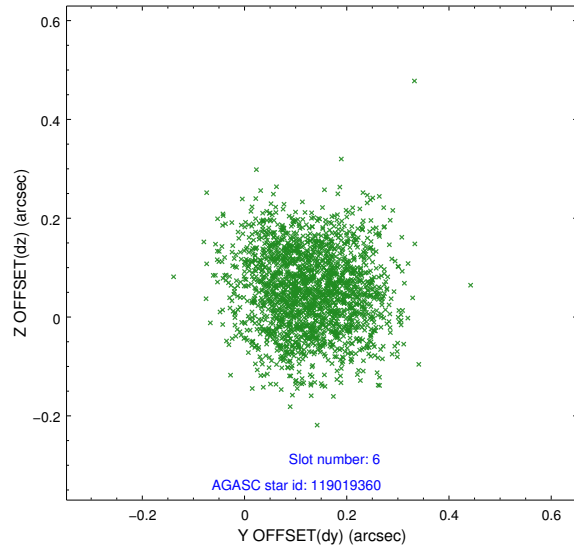
2.4.2 Slot 4



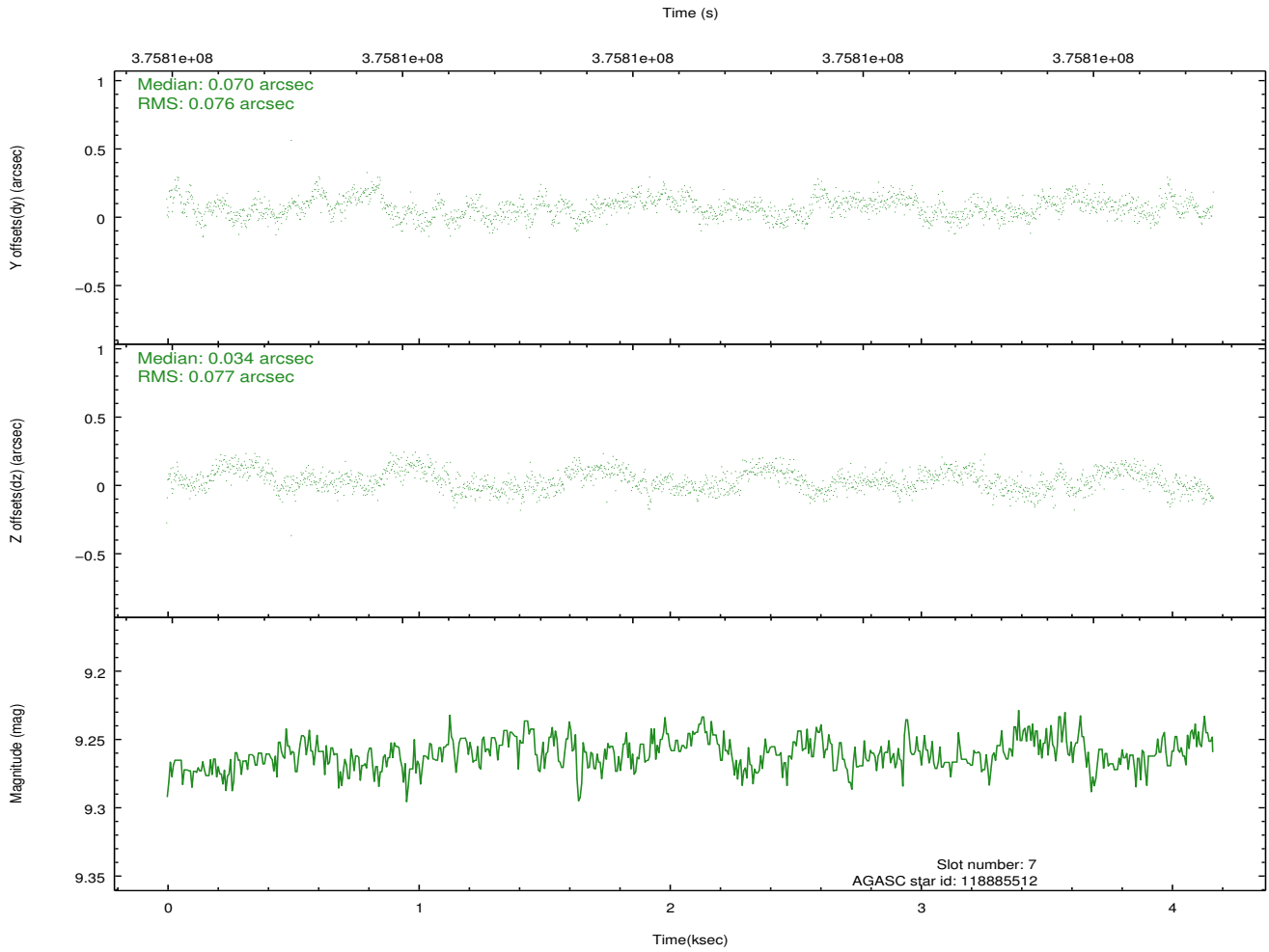
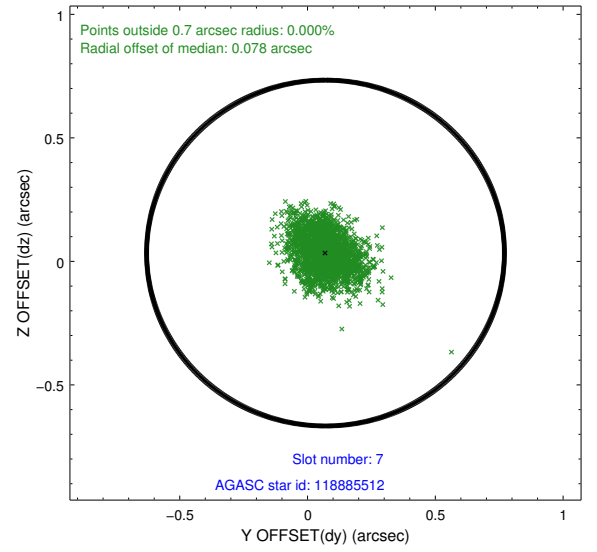
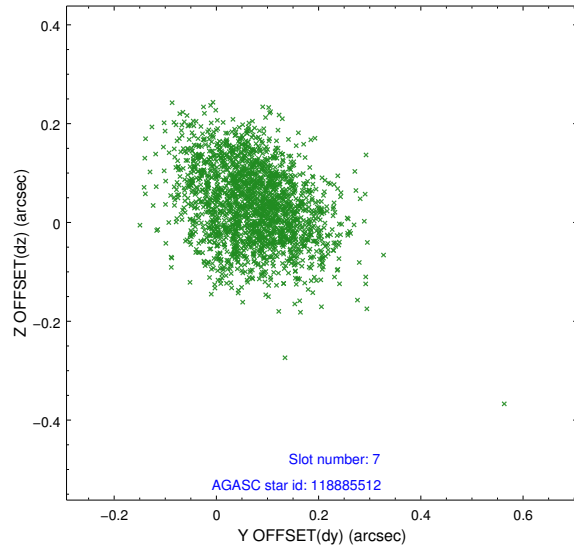
2.4.3 Slot 5



2.4.4 Slot 6

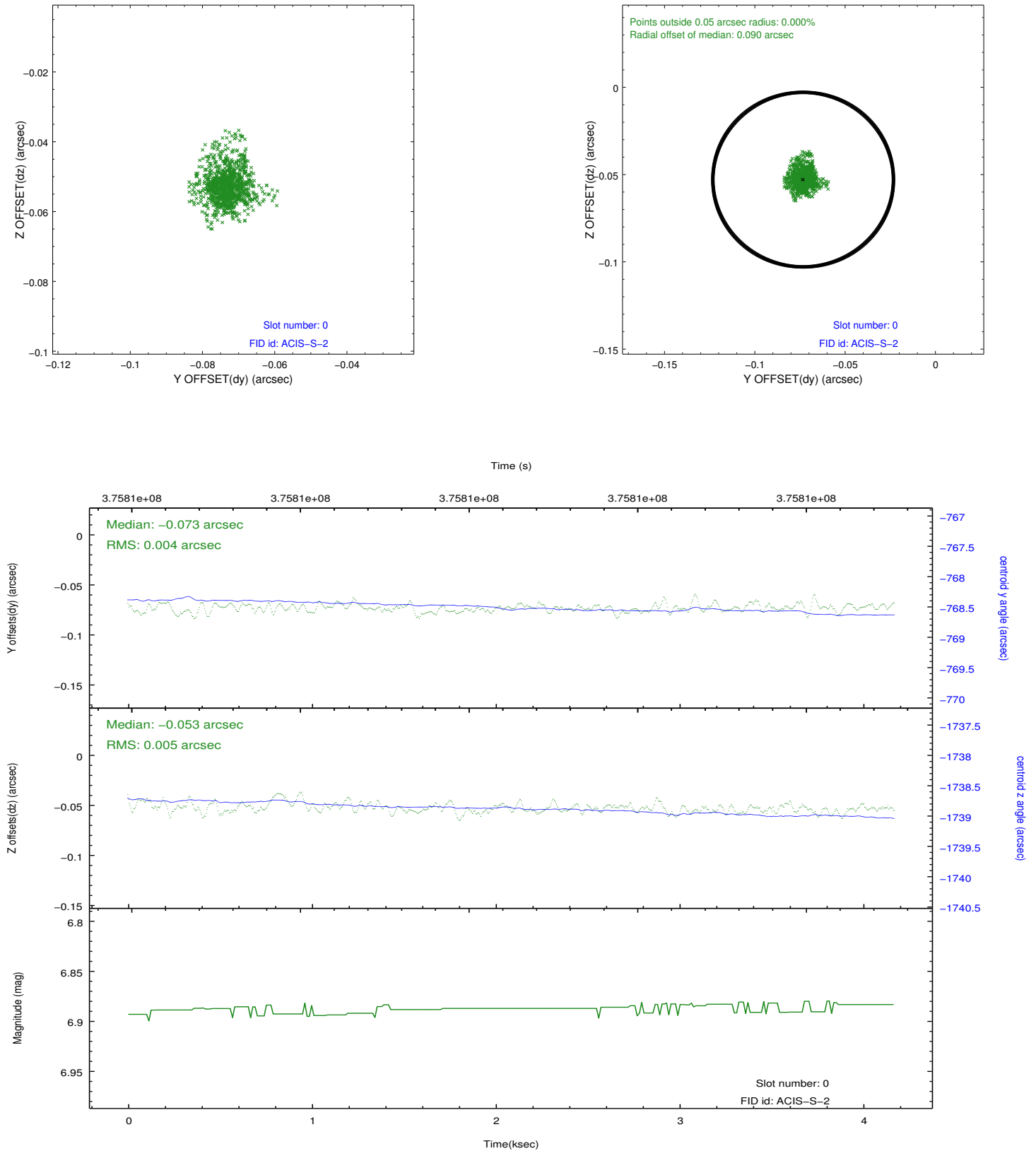


2.4.5 Slot 7

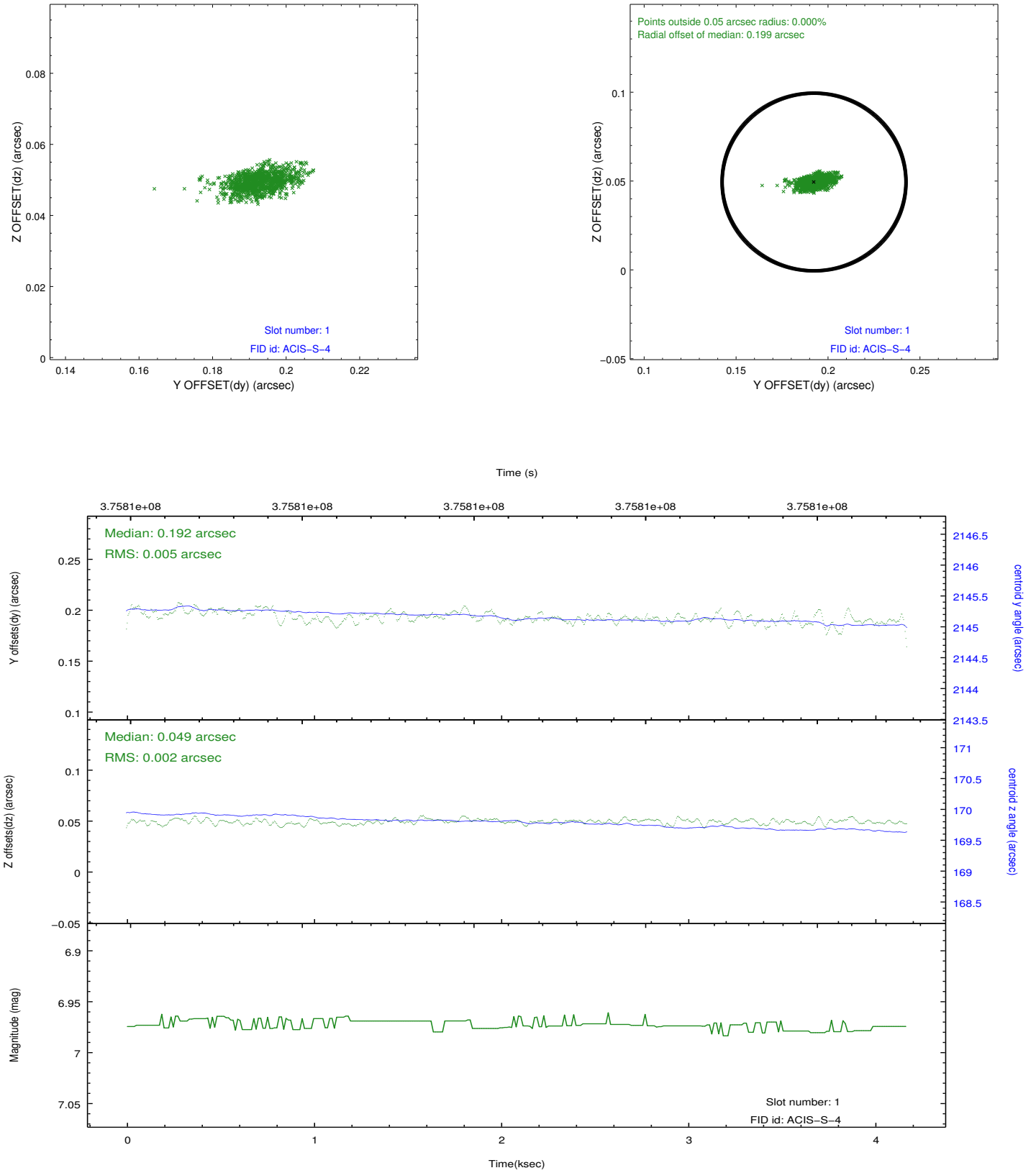


2.5 FID Slots

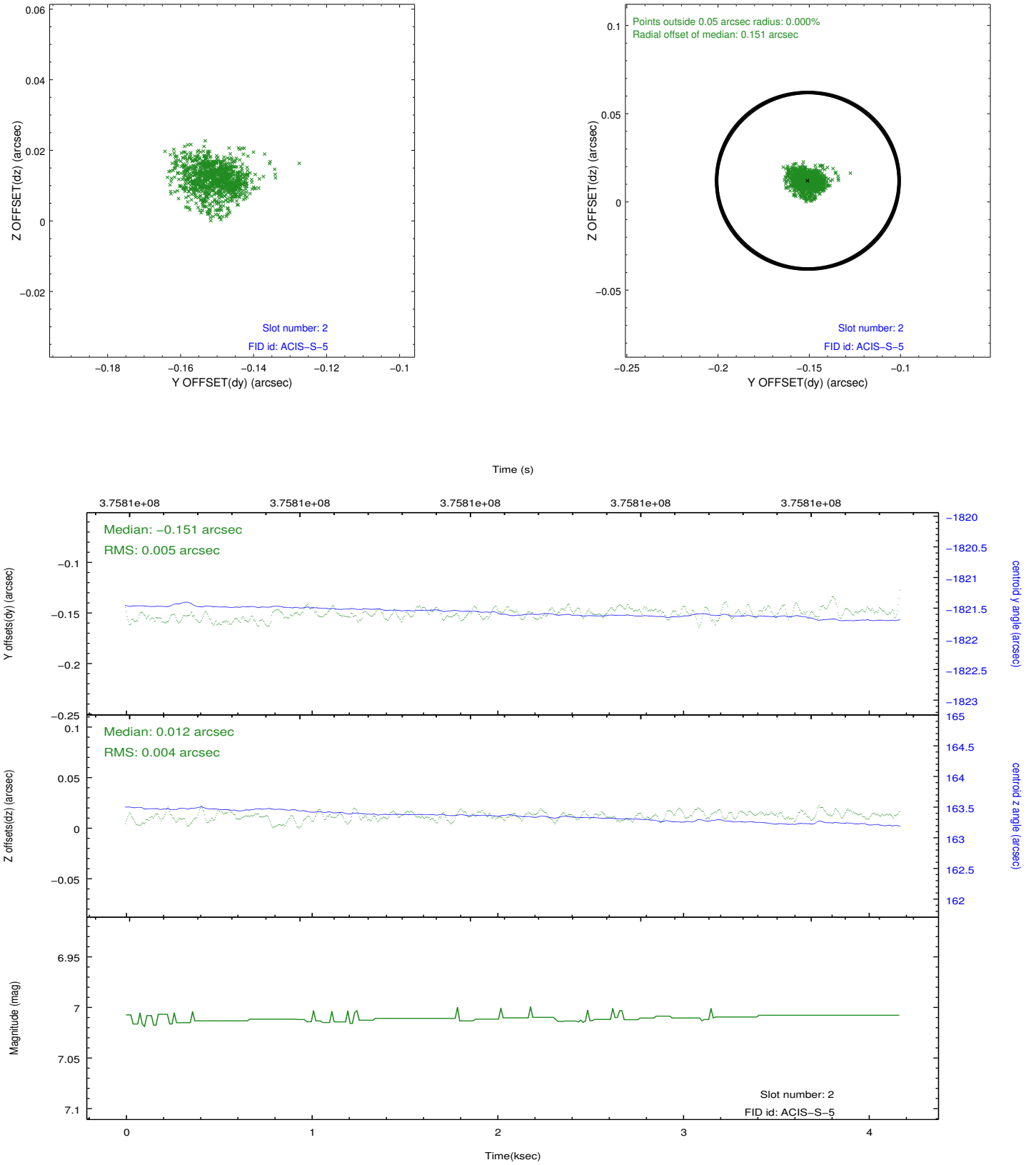
2.5.1 Slot 0



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)	2012.06.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.0827000313997

A.2 Comments