

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10326 - L2 Version 2
Chandra X-Ray Center

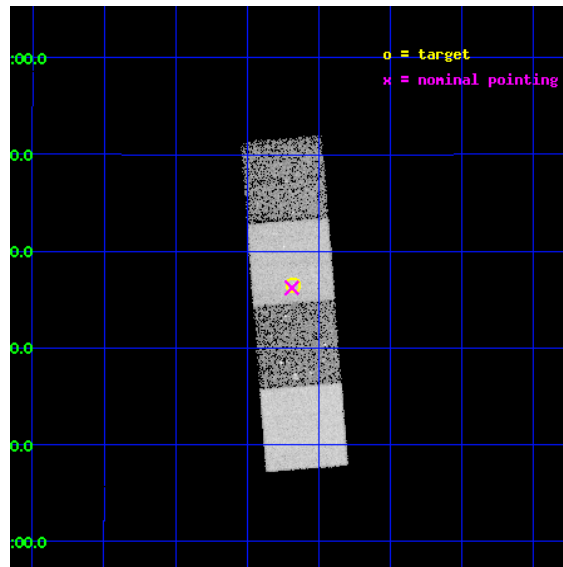
L2 Processing Date : Jun 3 2012

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

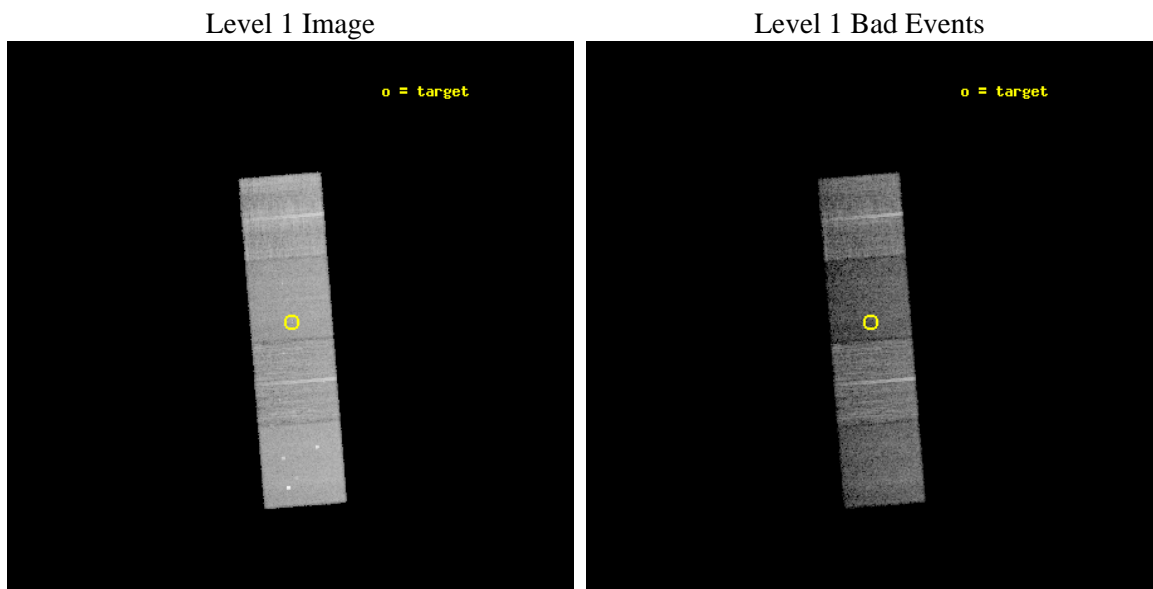
seq_num	701869	Sequence number
obs_id	10326	Observation id
title	Luminous Compton-thick QSOs at z~1	Proposal title
observer	Dr. Roberto Gilli	Principal investigator
object	SDSS J092640.67+023628.7	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	141.669583	Observer's specified target RA [deg]
dec_targ	2.607972	Observer's specified target Dec [deg]
ra_nom	141.67185239079	Nominal RA [deg]
dec_nom	2.6036936367891	Nominal Dec [deg]
roll_nom	265.42918451995	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10171.100078225	Sum of GTIs [s]
livetime	10038.207167848	Livetime [s]
ontime5	10171.100078225	Sum of GTIs [s]
ontime6	10164.818107426	Sum of GTIs [s]
ontime7	10171.100078225	Sum of GTIs [s]
ontime8	10171.100078225	Sum of GTIs [s]
l2events	104055	Number of level 2 events



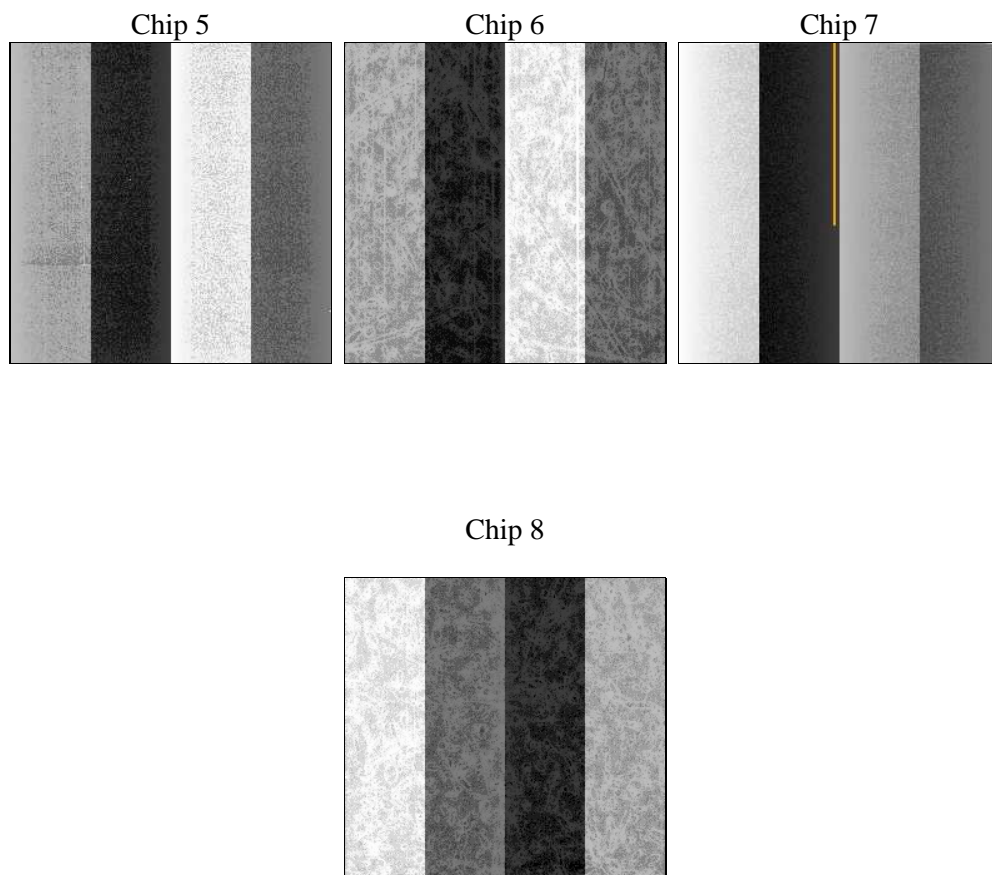
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	10171.100078225	Sum of GTIs [s]
caldbver	4.4.9	 	ontime5	10171.100078225	Sum of GTIs [s]
date	2012-06-03T05:53:48	Date and time of file creation	ontime6	10164.818107426	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	10171.100078225	Sum of GTIs [s]
			ontime8	10171.100078225	Sum of GTIs [s]
			l1events	420250	Number of level 1 events

2.1.4 Events

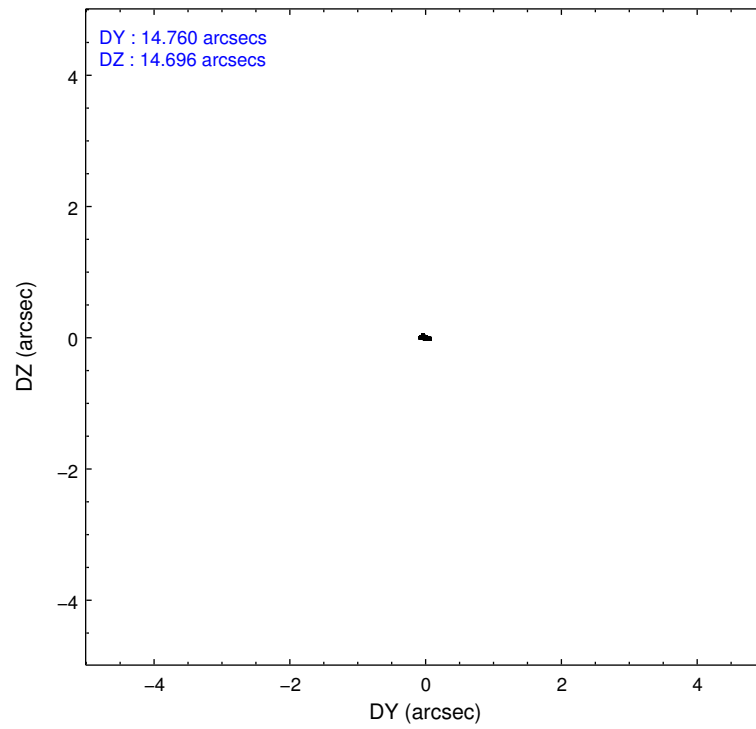
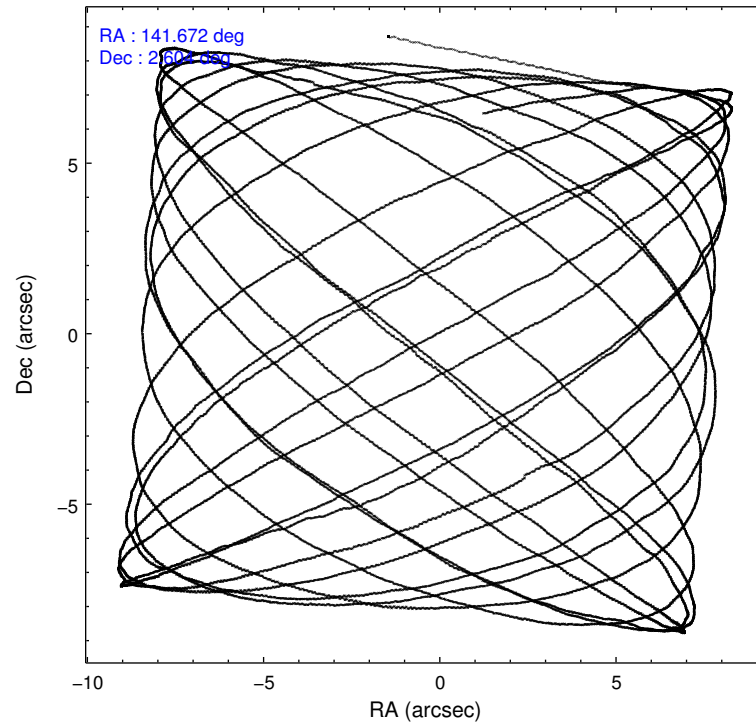
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	121156	93693	89781	115620
rejected events	63782	84959	50862	89302
rejected %	52%	90%	56%	77%

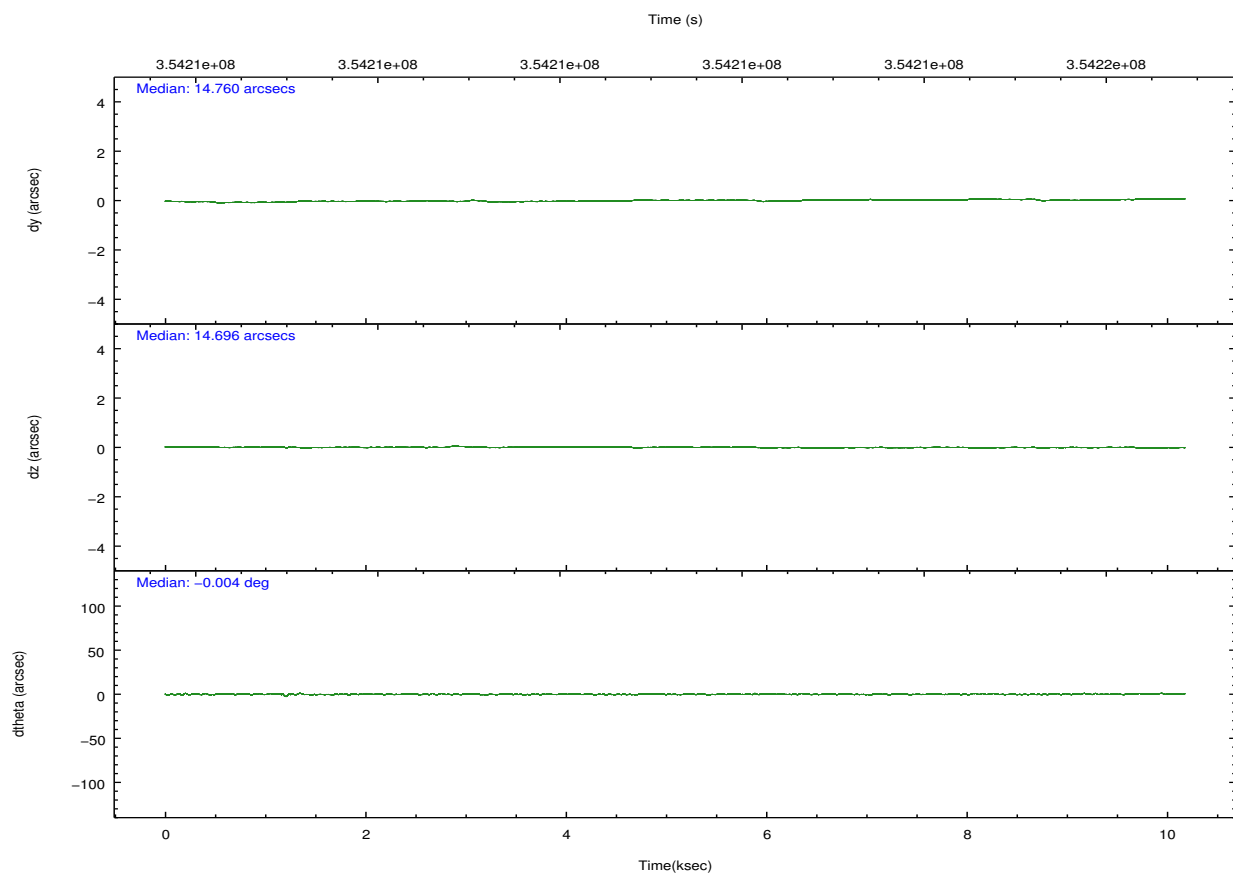
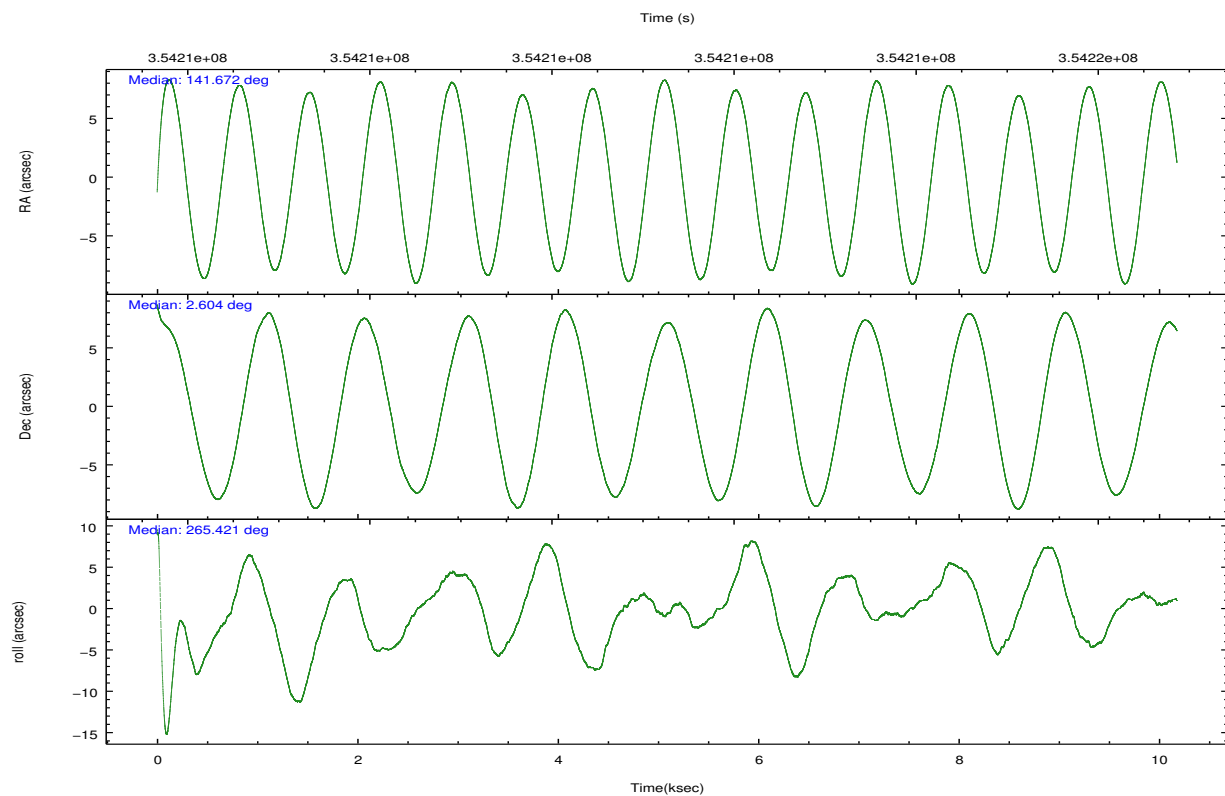
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	7177	3872	4480	8325
	5%	4%	4%	7%
grade 1 events	306	51	147	90
	0%	0%	0%	0%
grade 2 events	21508	2156	9368	7255
	17%	2%	10%	6%
grade 3 events	2803	1014	4142	3331
	2%	1%	4%	2%
grade 4 events	2730	1007	4101	3182
	2%	1%	4%	2%
grade 5 events	9654	3308	9526	4958
	7%	3%	10%	4%
grade 6 events	31222	1865	22283	8170
	25%	1%	24%	7%
grade 7 events	45756	80420	35734	80309
	37%	85%	39%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	141.659704	141.6718523907923	Subarray requested	NONE	NONE
[deg] Pointing Dec	2.628186	2.603693636789095	Alternating exposures requested	N	N
[deg] Pointing Roll	265.273077	265.4291845199534	[s] Primary exposure time	0.000000	3.1
[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)	354206349.184000	354204707.49716			
Observation start date	2009-03-23T14:38:03	2009-03-23T14:11:47			
[s] Observation end time (MET)	354216349.184000	354216714.34776			
Observation end date	2009-03-23T17:24:43	2009-03-23T17:31:54			
Read mode	TIMED	TIMED			

2.3 Aspect



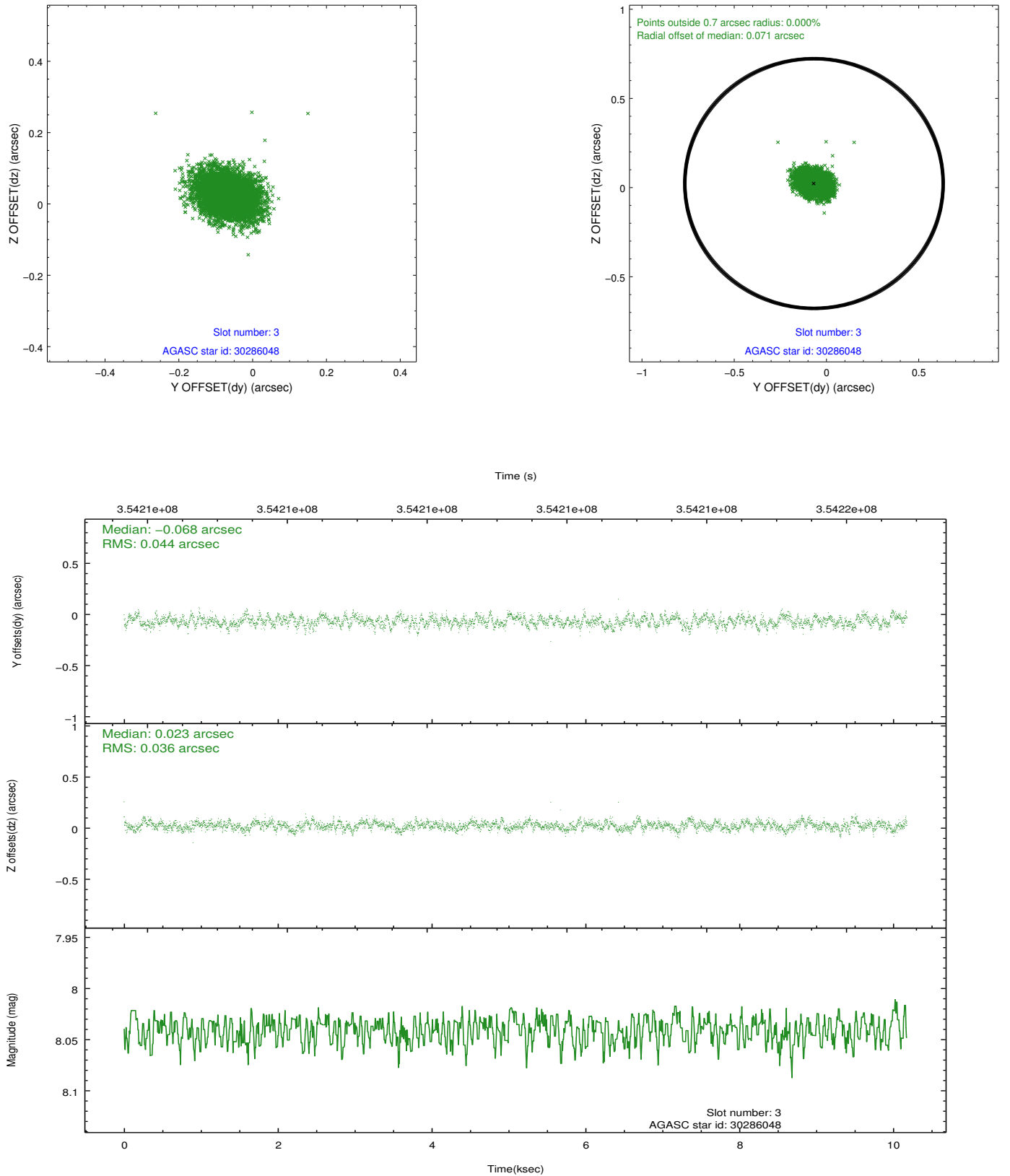


Slot Statistics

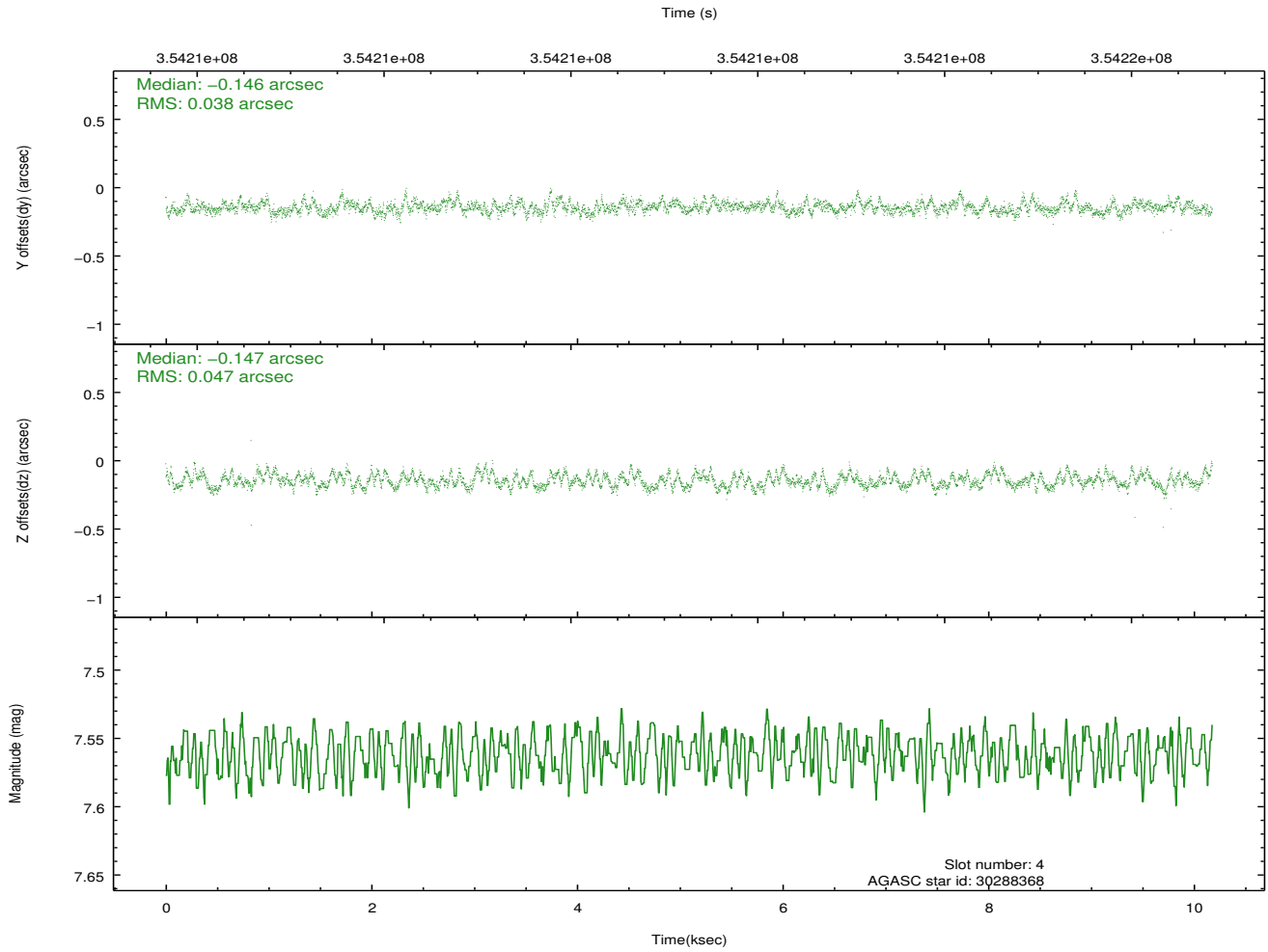
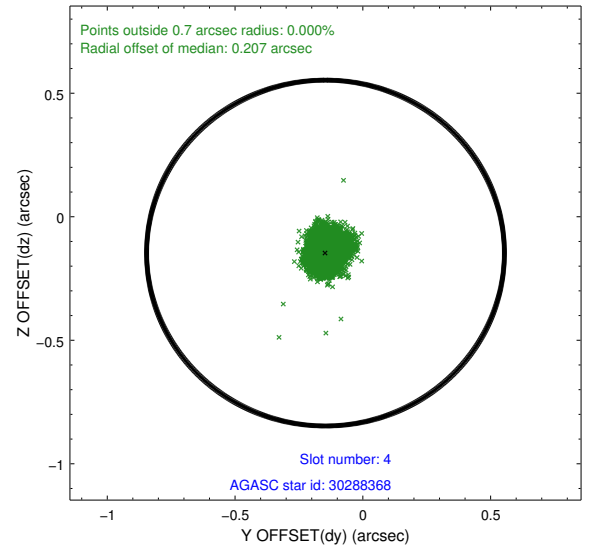
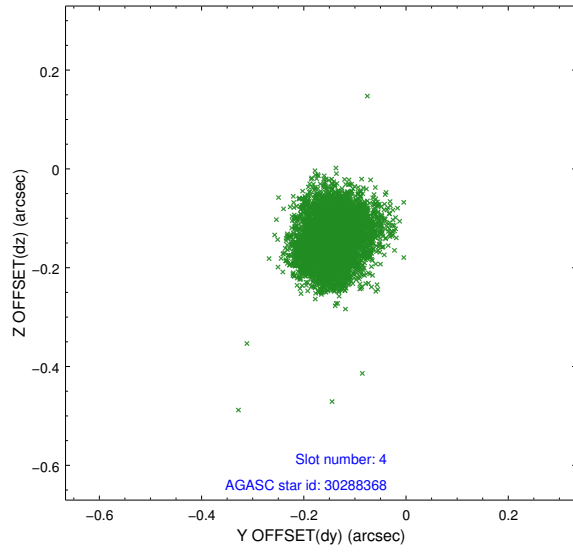
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.92	2483	-0.087	-0.023	0.006	0.011	0.000000	0.000000	-767.80	-1736.09
1	FID	ACIS-S-4	7.00	2483	0.195	0.048	0.005	0.011	0.000000	0.000000	2145.52	171.94
2	FID	ACIS-S-5	7.03	2482	-0.139	-0.016	0.006	0.012	0.000000	0.000000	-1820.04	166.11
3	GUIDE	30286048	8.04	4961	-0.068	0.023	0.059	0.098	141.985448	2.834840	-836.19	1106.48
4	GUIDE	30288368	7.56	4965	-0.146	-0.147	0.064	0.101	141.501110	3.030300	-1395.56	-687.60
5	GUIDE	30292744	8.52	4958	-0.035	0.058	0.064	0.104	141.614493	2.506173	451.43	-126.28
6	GUIDE	30288600	9.08	4955	0.168	0.088	0.076	0.123	141.552019	2.678221	-146.63	-400.39
7	GUIDE	29900008	9.51	4961	0.080	-0.024	0.104	0.168	142.269941	2.045830	1908.14	2361.01

2.4 Star Slots

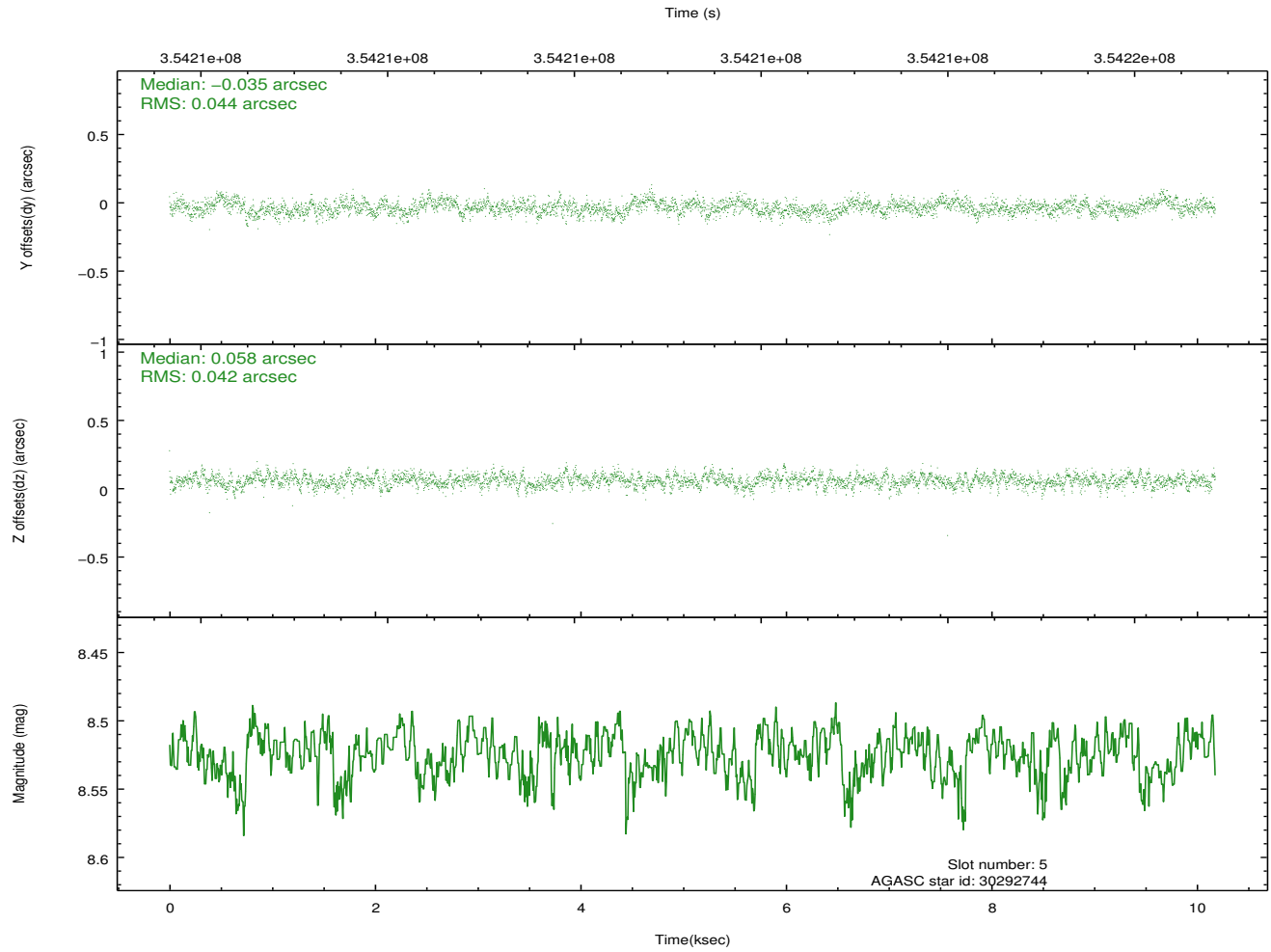
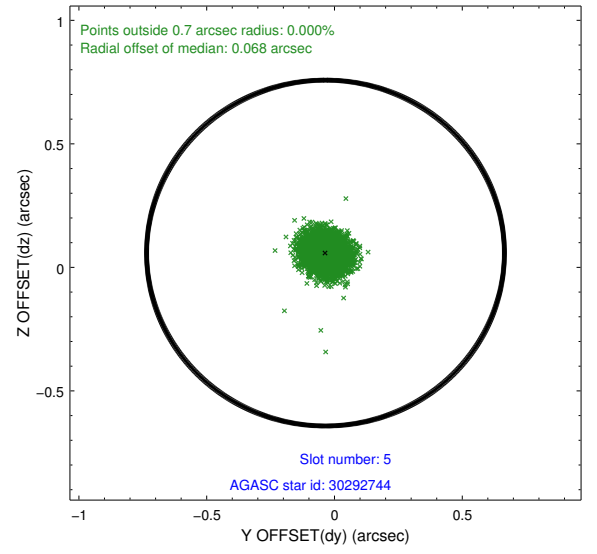
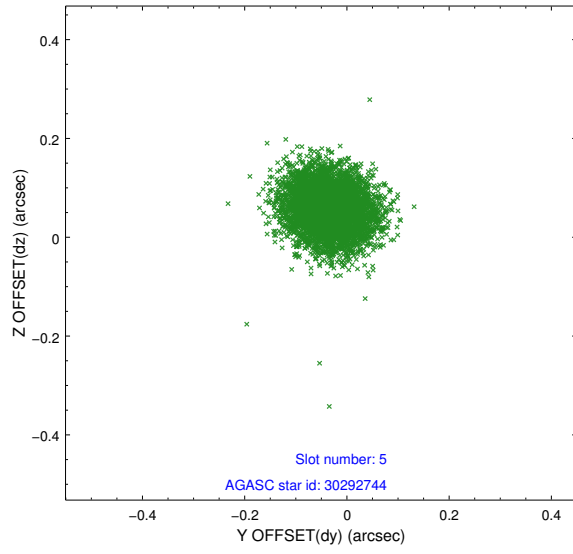
2.4.1 Slot 3



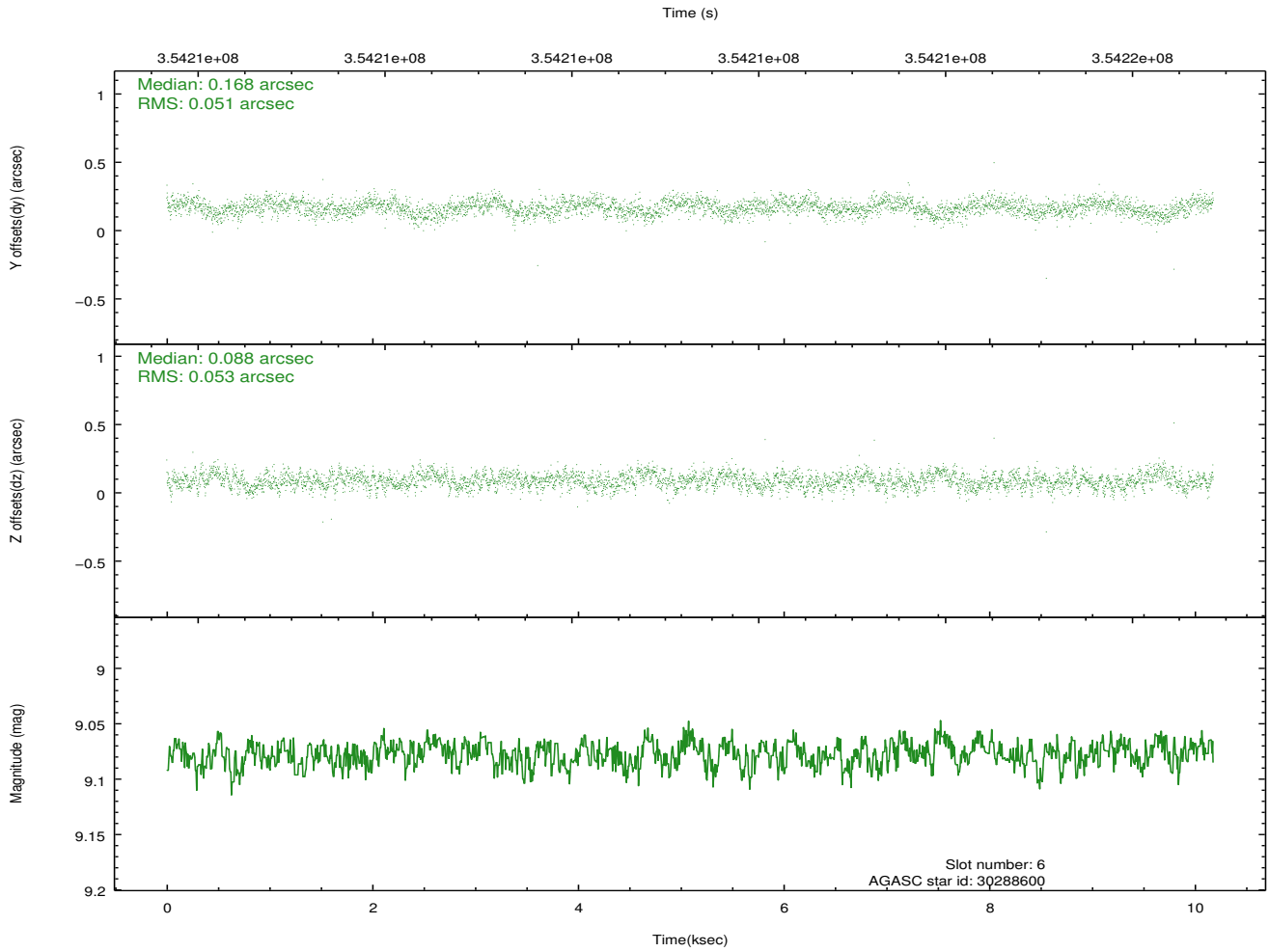
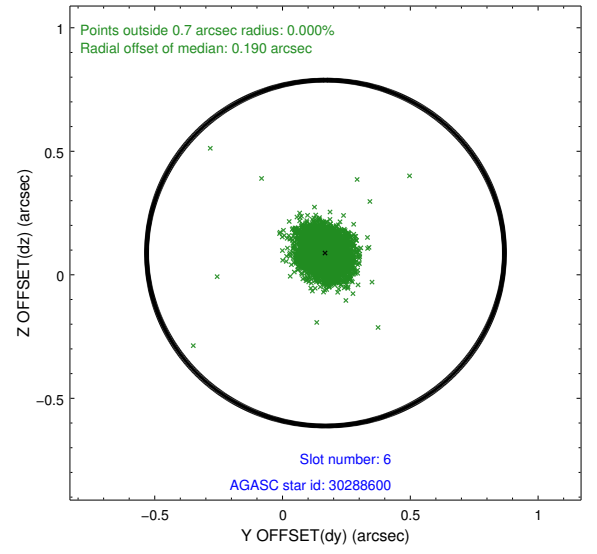
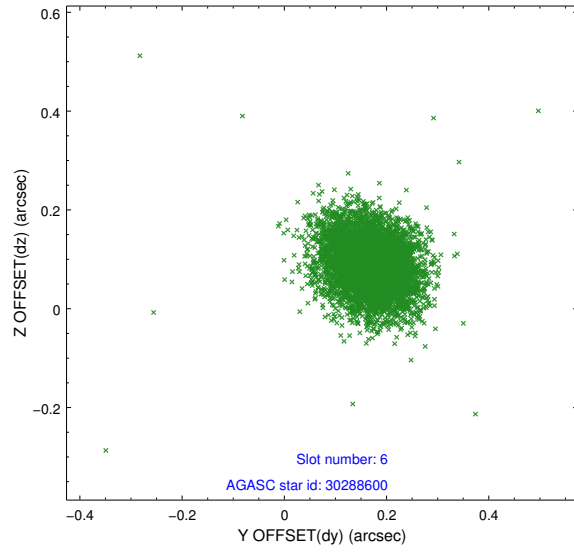
2.4.2 Slot 4



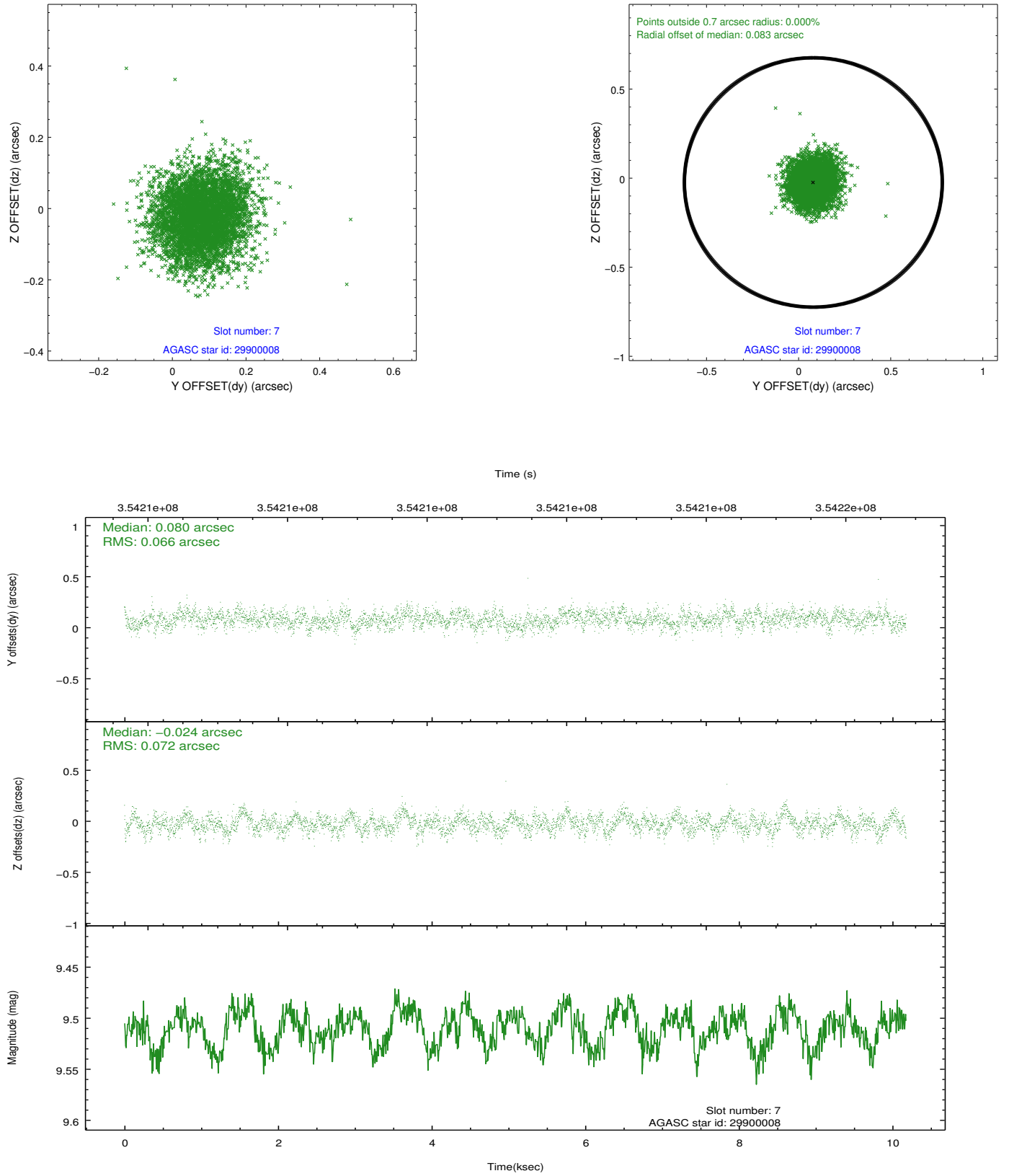
2.4.3 Slot 5



2.4.4 Slot 6

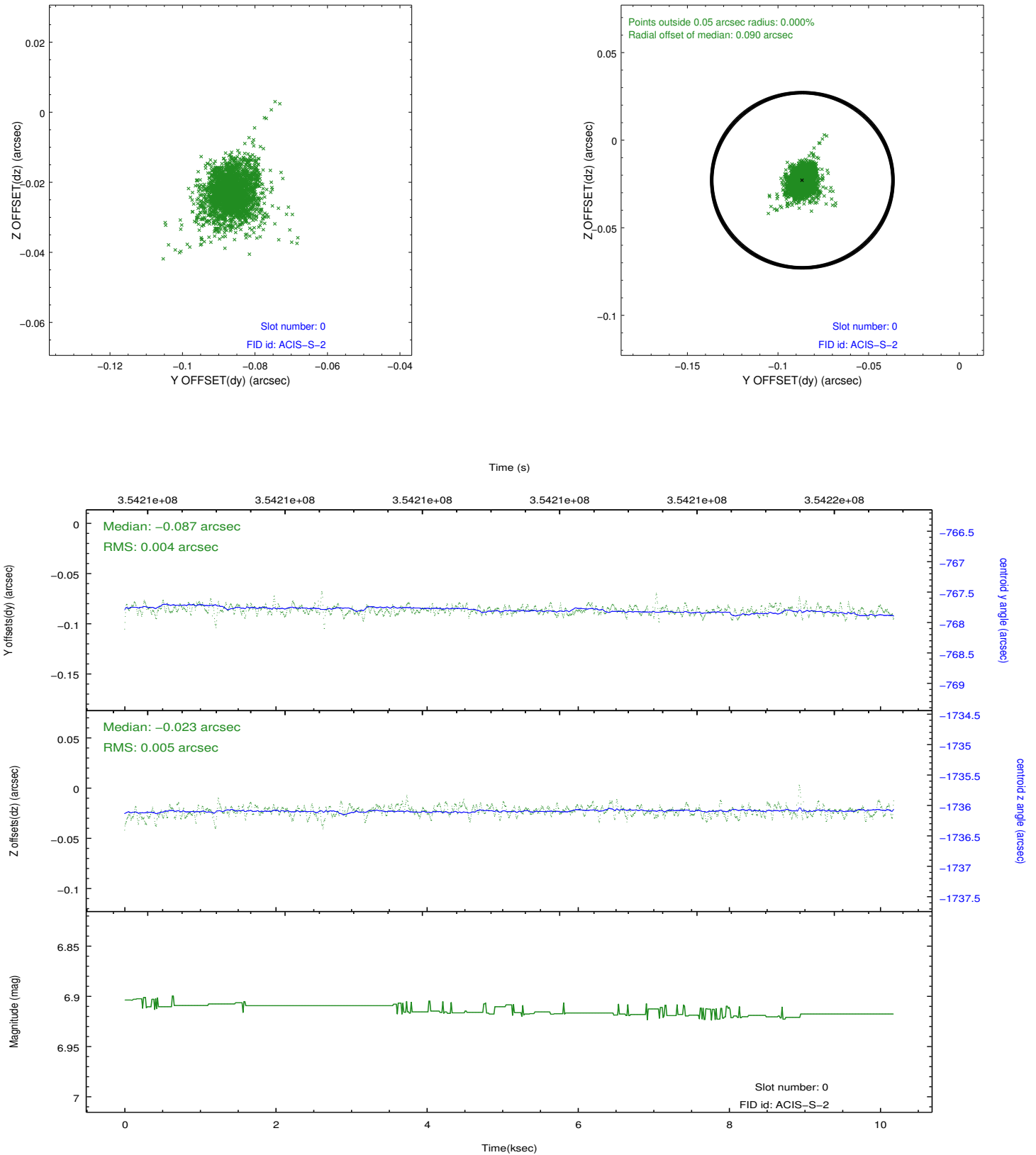


2.4.5 Slot 7

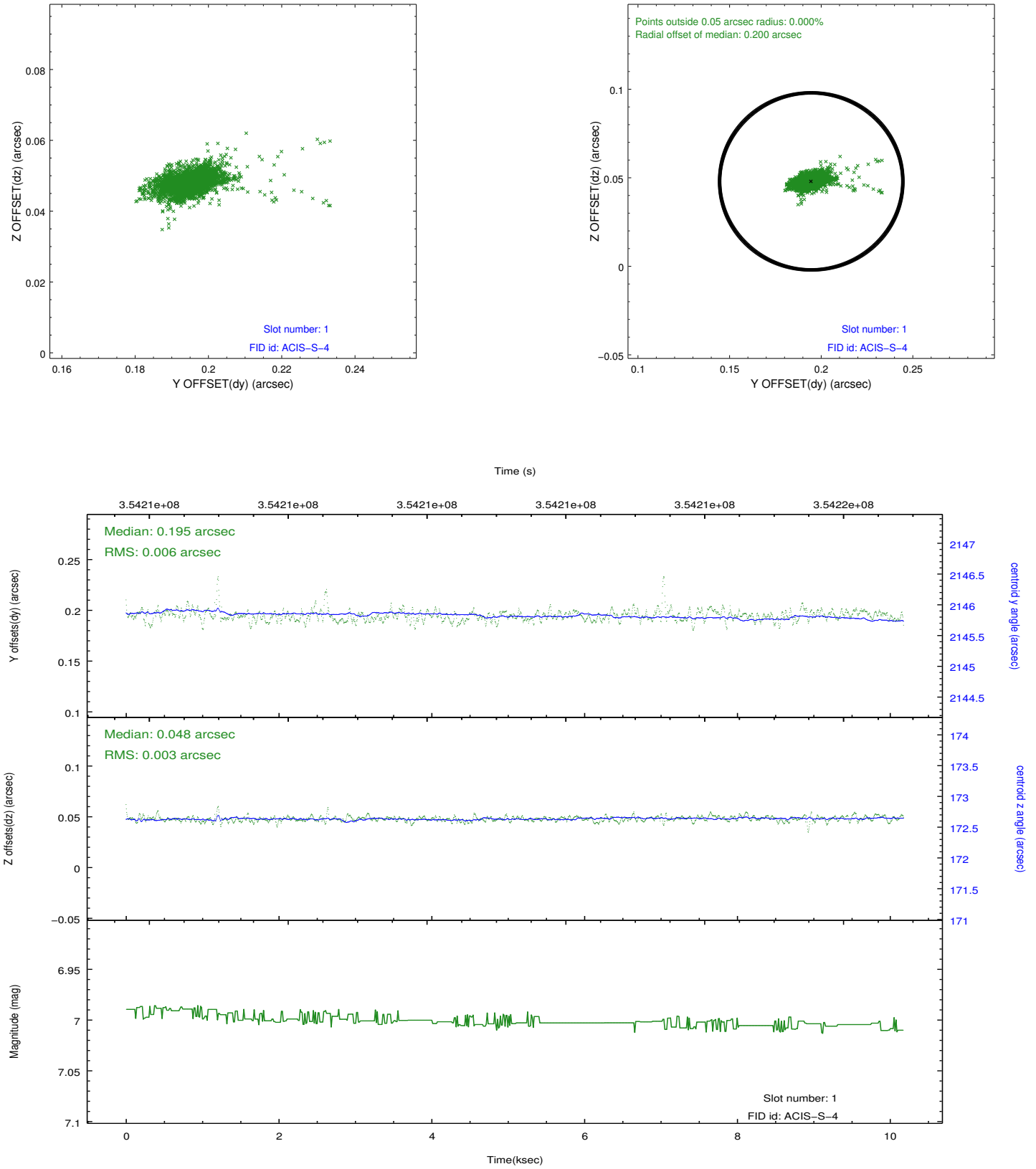


2.5 FID Slots

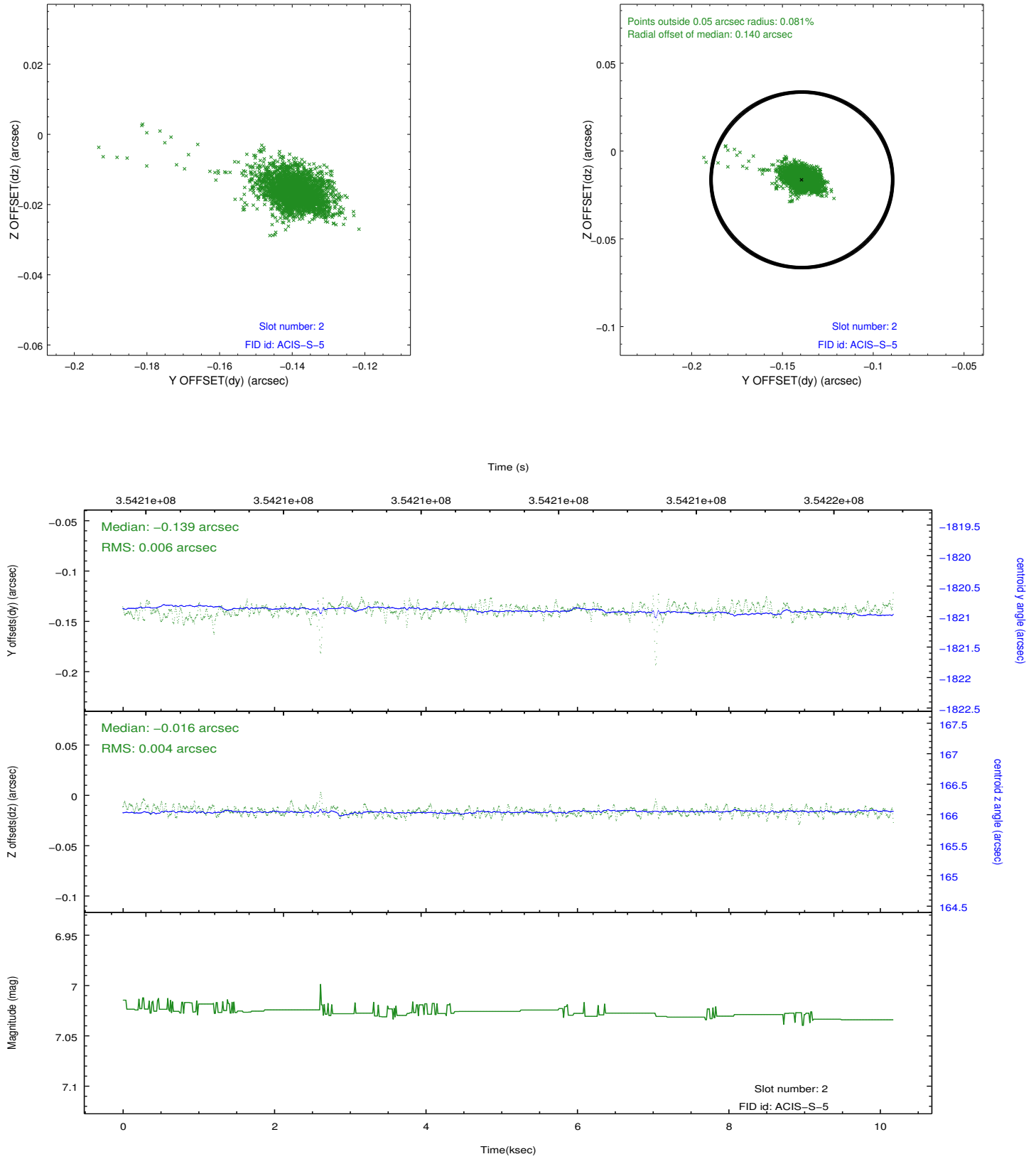
2.5.1 Slot 0



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)	2012.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.1711

A.2 Comments