

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13858 - L2 Version 1
Chandra X-Ray Center

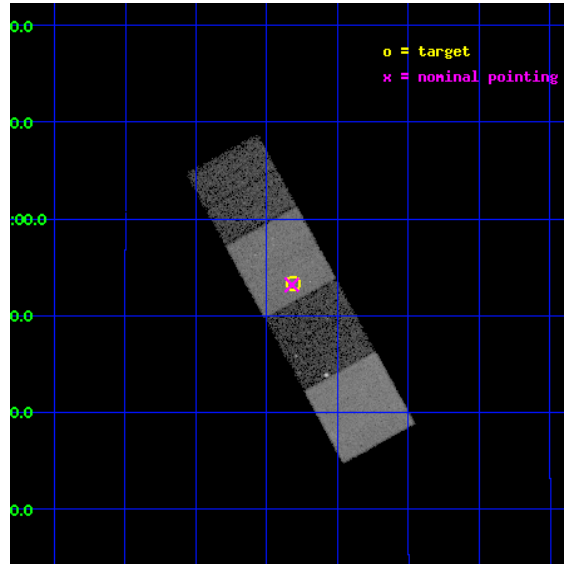
L2 Processing Date : Jun 20 2012

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

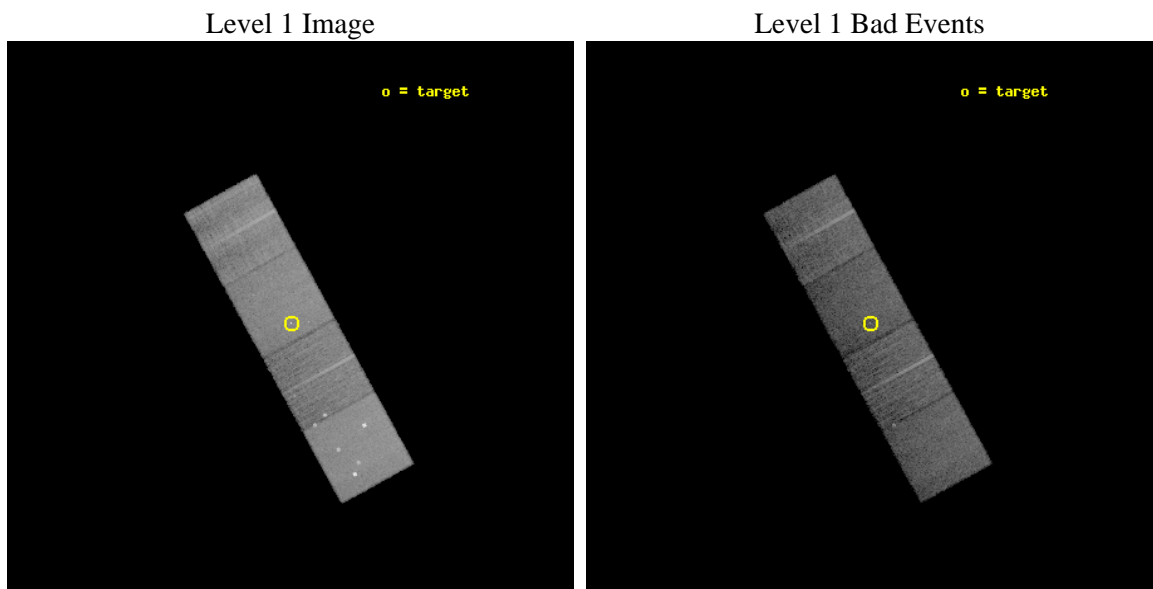
seq_num	702584	Sequence number
obs_id	13858	Observation id
title	The Radio--X-ray--BH-Mass Plane for the Smallest Supermassive Black Holes	Proposal title
observer	Dr. Kayhan Gultekin	Principal investigator
object	SDSS J091449.05+085321.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	138.704167	Observer's specified target RA [deg]
dec_targ	8.889194	Observer's specified target Dec [deg]
ra_nom	138.70563928021	Nominal RA [deg]
dec_nom	8.8865713395653	Nominal Dec [deg]
roll_nom	241.15639442377	Nominal Roll [deg]
revision	1	Processing version of data
ontime	15069.100115895	Sum of GTIs [s]
livetime	14872.211229171	Livetime [s]
ontime5	15069.100115895	Sum of GTIs [s]
ontime6	15069.100115895	Sum of GTIs [s]
ontime7	15069.100115895	Sum of GTIs [s]
ontime8	15069.100115895	Sum of GTIs [s]
l2events	134855	Number of level 2 events



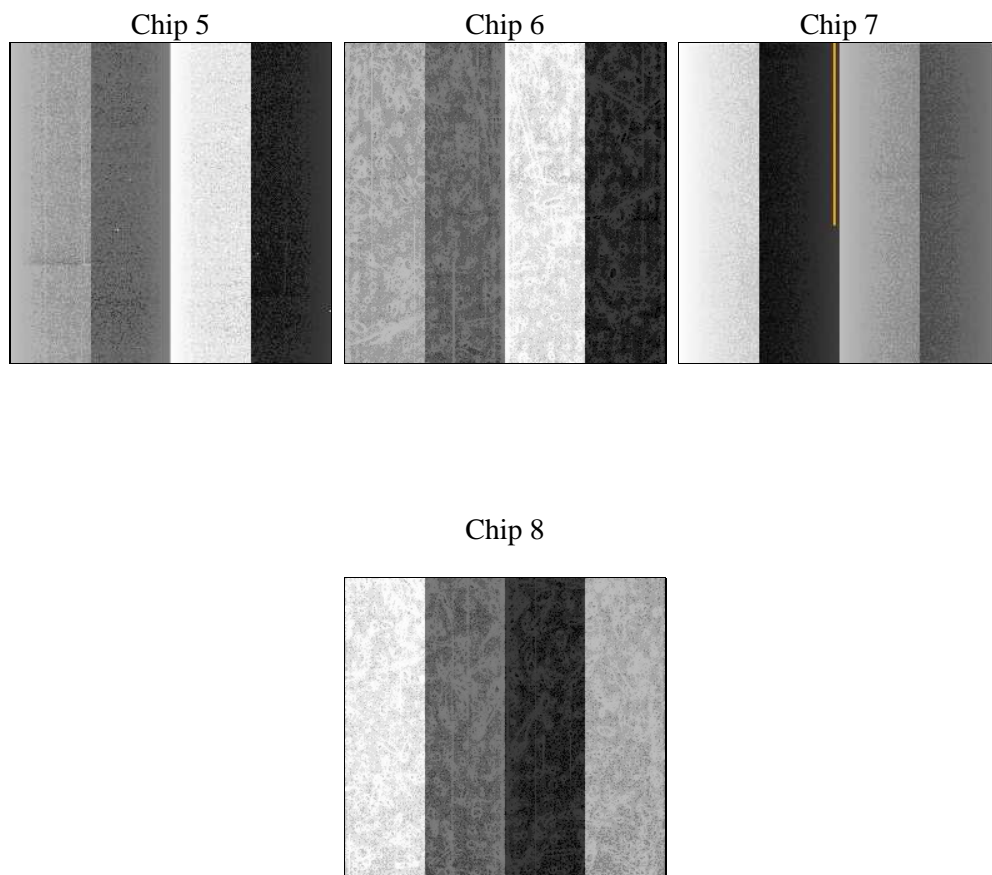
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	15069.100115895	Sum of GTIs [s]
caldsver	4.4.10	 	ontime5	15069.100115895	Sum of GTIs [s]
date	2012-06-20T13:11:20	Date and time of file creation	ontime6	15069.100115895	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	15069.100115895	Sum of GTIs [s]
			ontime8	15069.100115895	Sum of GTIs [s]
			l1events	459407	Number of level 1 events

2.1.4 Events

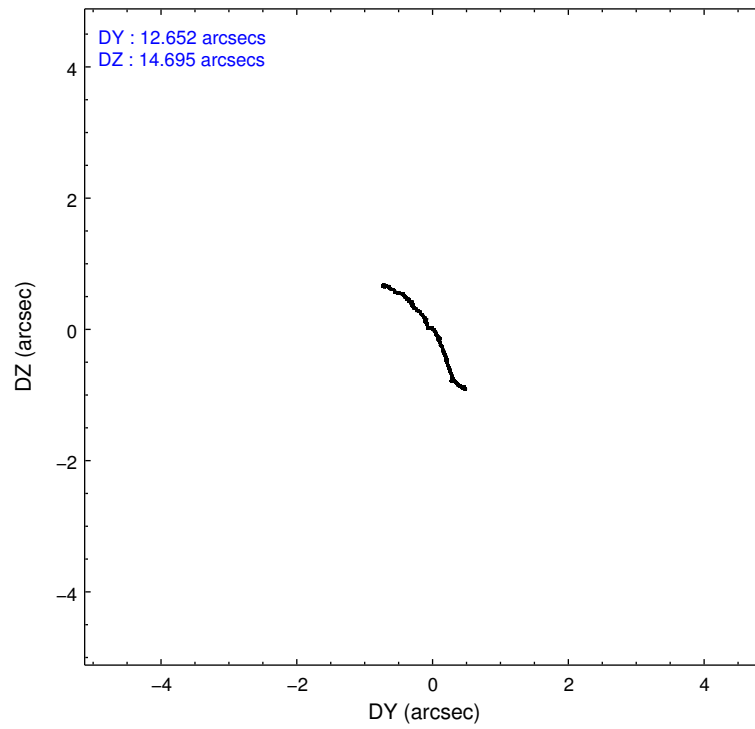
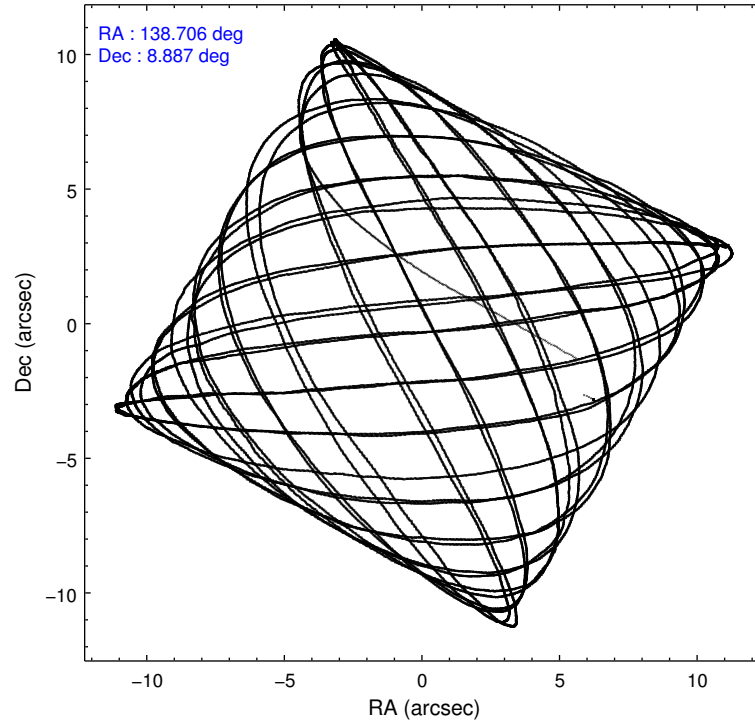
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	146794	84806	114941	112866
rejected events	70158	73482	62885	82358
rejected %	47%	86%	54%	72%

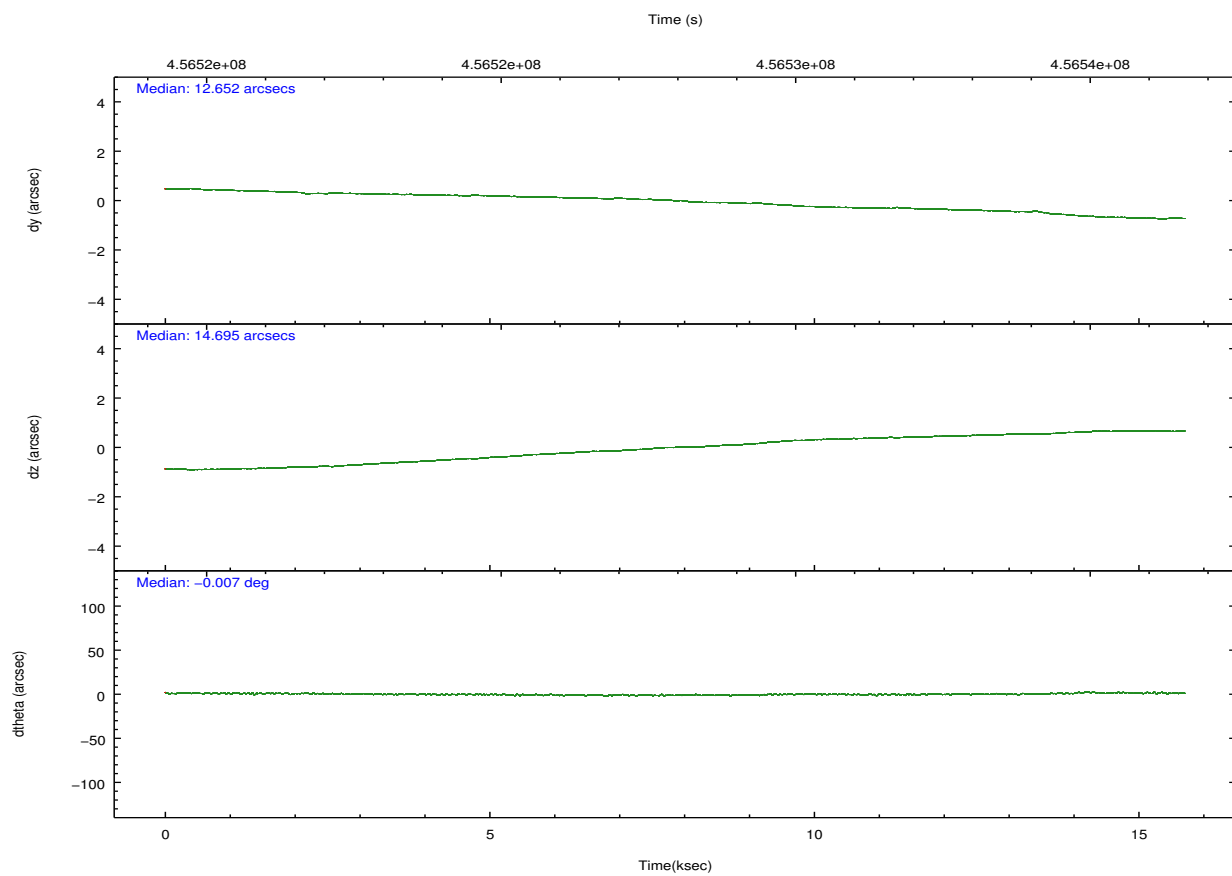
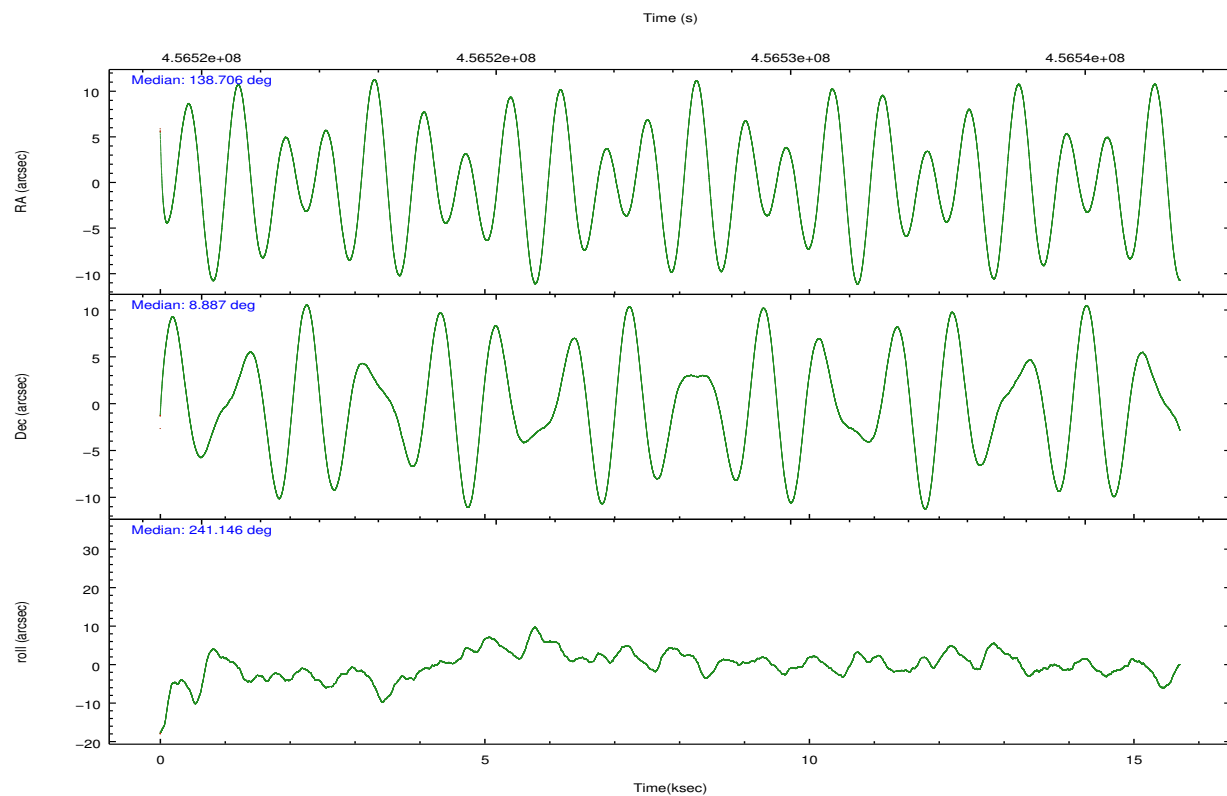
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	12240	4479	5115	9364
	8%	5%	4%	8%
grade 1 events	472	41	164	86
	0%	0%	0%	0%
grade 2 events	23529	2351	10870	6851
	16%	2%	9%	6%
grade 3 events	2538	1096	4574	3393
	1%	1%	3%	3%
grade 4 events	2538	1090	4684	3199
	1%	1%	4%	2%
grade 5 events	10635	4243	11717	6249
	7%	5%	10%	5%
grade 6 events	35806	2309	26826	7703
	24%	2%	23%	6%
grade 7 events	59036	69197	50991	76021
	40%	81%	44%	67%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	138.704701	138.7056392802145	Subarray requested	NONE	NONE
[deg] Pointing Dec	8.913868	8.886571339565272	Alternating exposures requested	N	N
[deg] Pointing Roll	240.999919	241.1563944237671	[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)	456520805.184000	456518974.48714			
Observation start date	2012-06-19T19:18:59	2012-06-19T18:49:34			
[s] Observation end time (MET)	456535805.184000	456536836.13809			
Observation end date	2012-06-19T23:28:59	2012-06-19T23:47:16			
Read mode	TIMED	TIMED			

2.3 Aspect



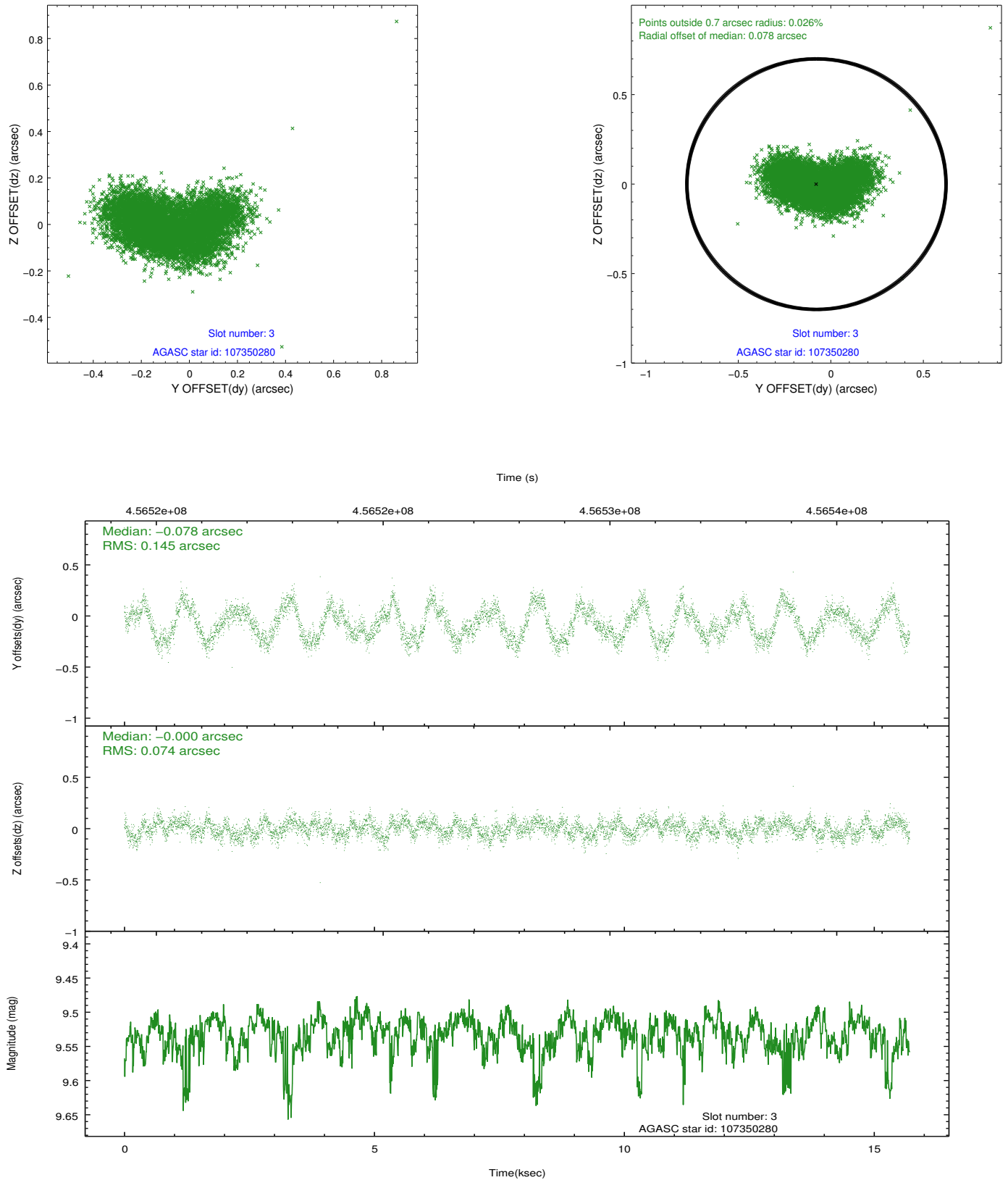


Slot Statistics

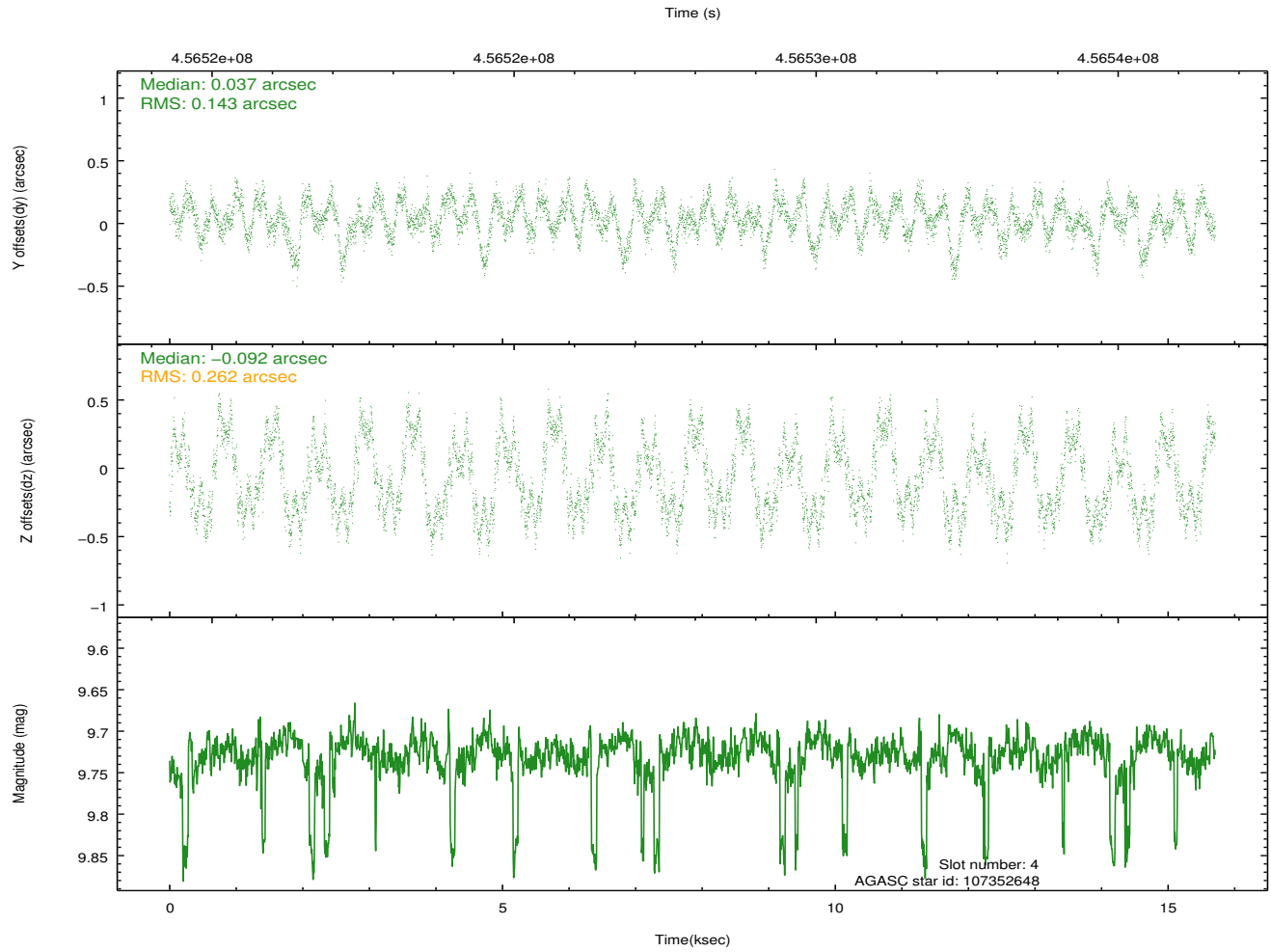
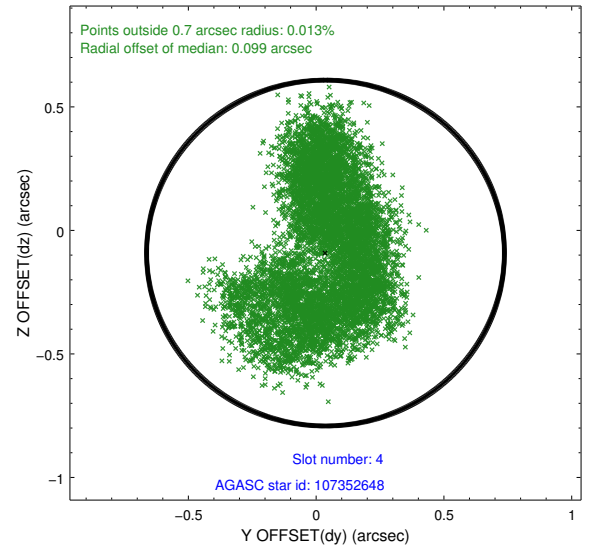
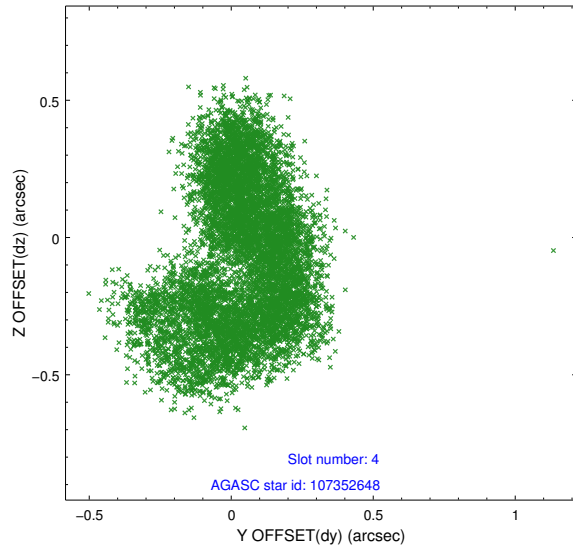
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.01	3833	0.092	-0.064	0.020	0.041	0.000000	0.000000	930.69	-1731.68
1	FID	ACIS-S-5	7.05	3832	-0.152	0.056	0.016	0.030	0.000000	0.000000	-1818.45	165.63
2	FID	ACIS-S-6	7.14	3832	0.041	0.021	0.029	0.046	0.000000	0.000000	395.81	809.94
3	GUIDE	107350280	9.53	7635	-0.078	-0.000	0.175	0.273	138.525109	8.375457	2005.54	380.53
4	GUIDE	107352648	9.73	7630	0.037	-0.092	0.330	0.481	138.288827	9.268948	-401.32	-1912.59
5	GUIDE	107353304	8.59	7664	-0.092	-0.065	0.076	0.122	138.703408	8.262375	2053.81	1133.51
6	GUIDE	107353520	9.40	7649	0.165	0.178	0.262	0.342	138.958163	8.226928	1725.41	1989.30
7	GUIDE	107355816	9.73	7653	-0.034	-0.029	0.178	0.277	138.625210	8.375718	1833.25	692.13

2.4 Star Slots

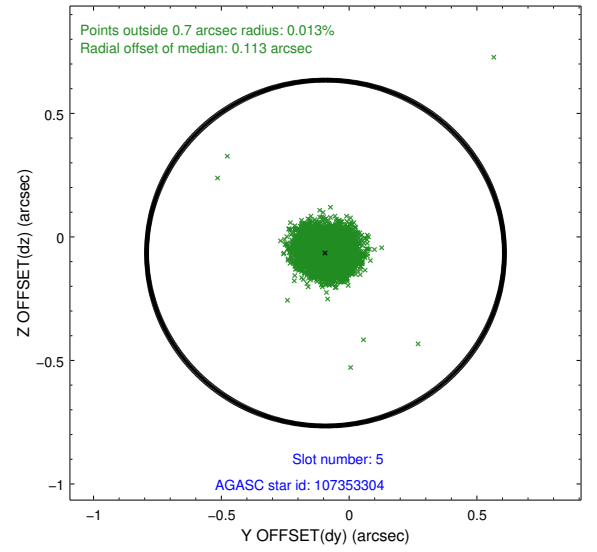
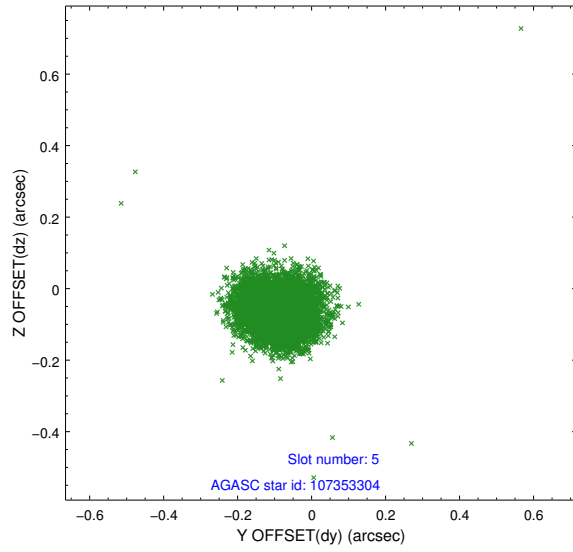
2.4.1 Slot 3



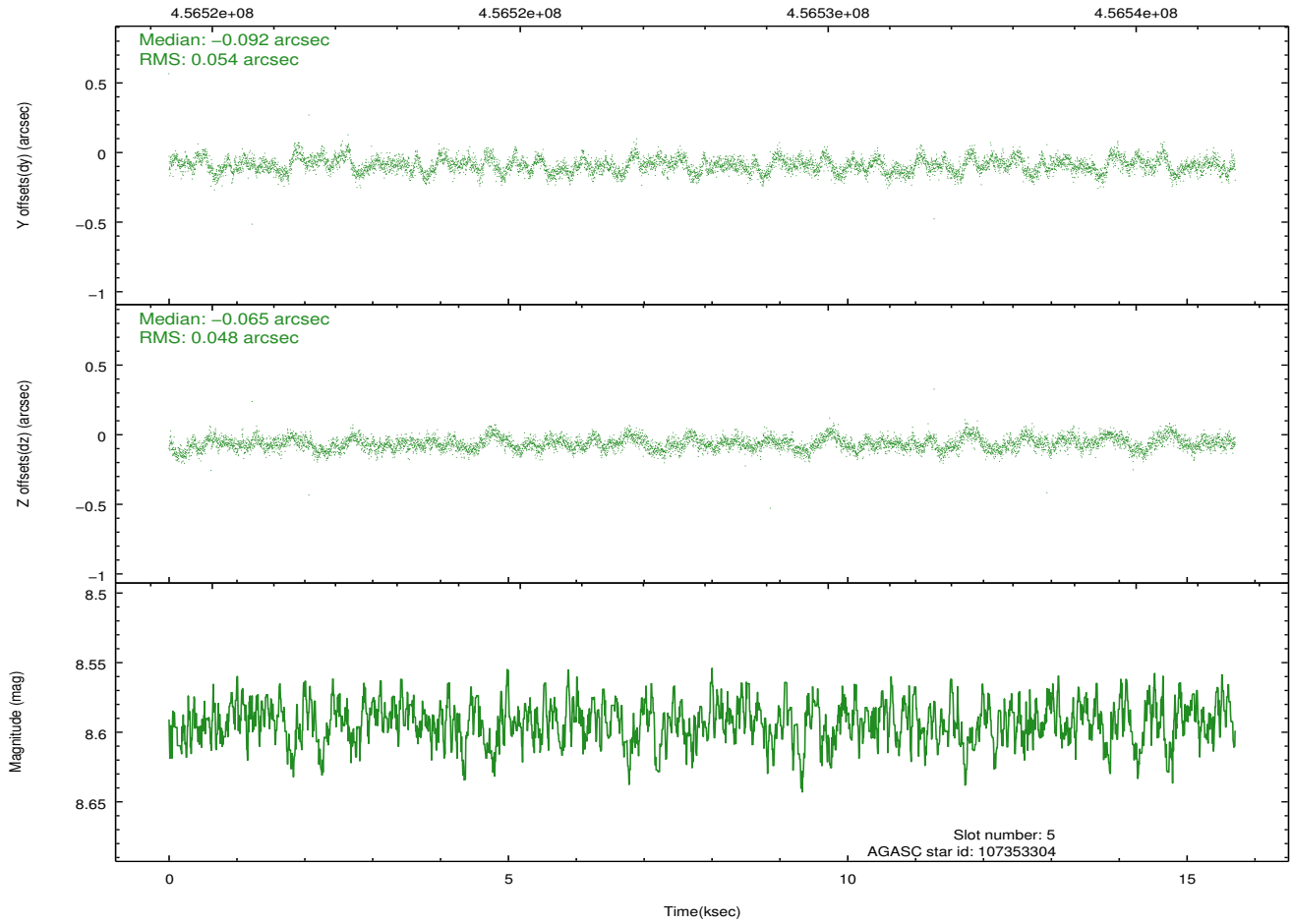
2.4.2 Slot 4



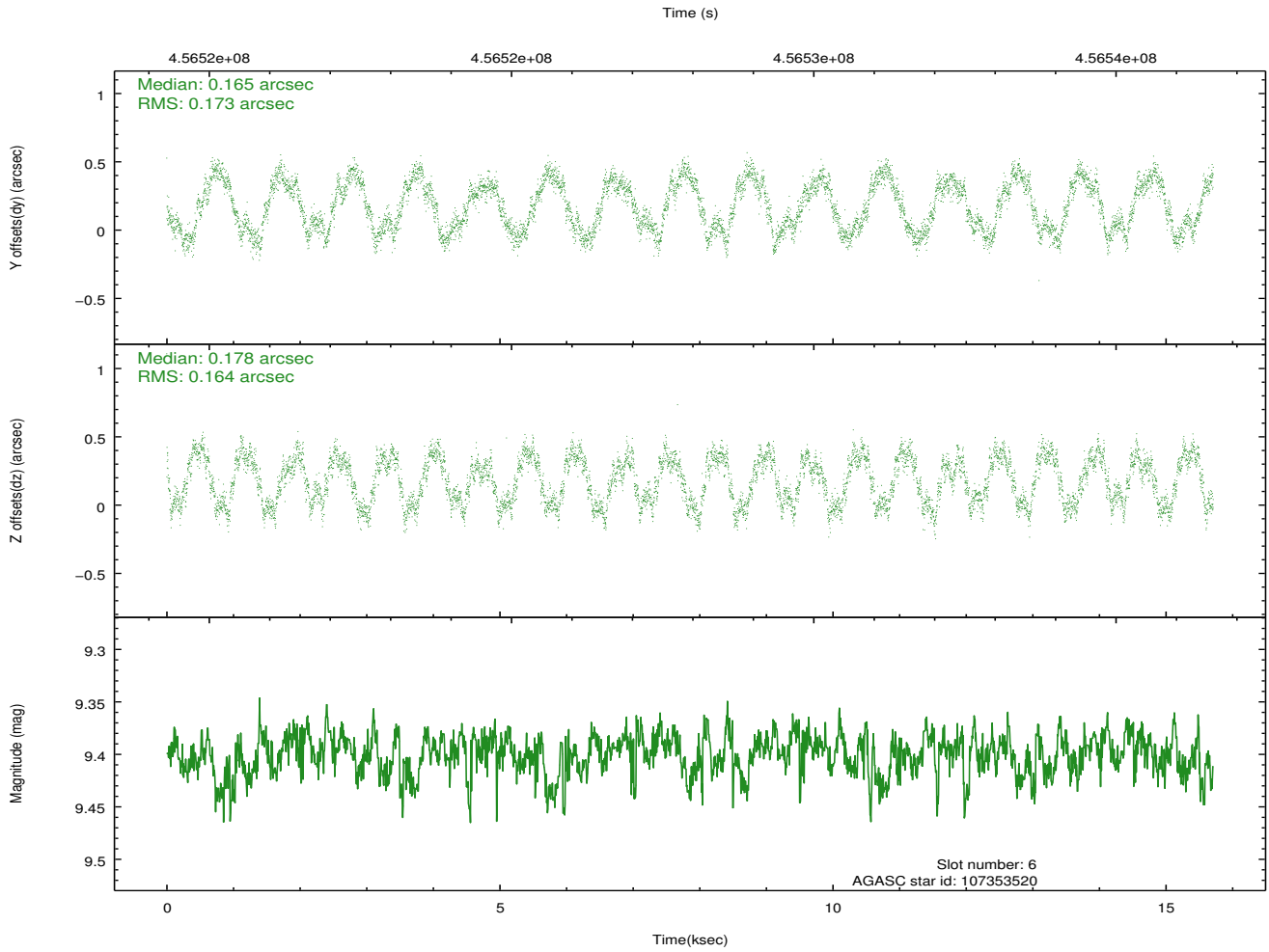
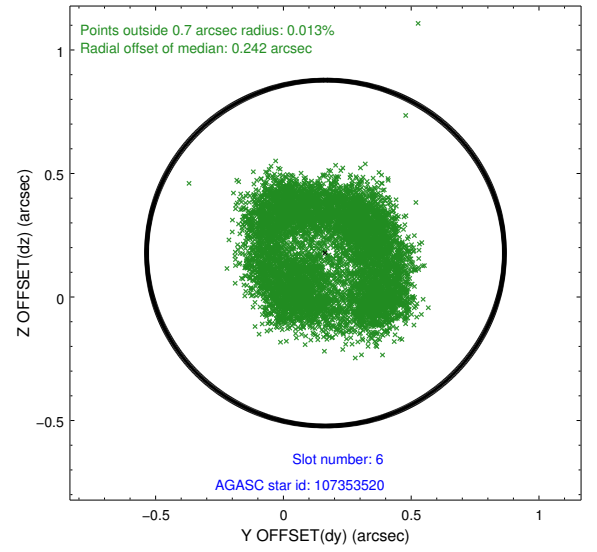
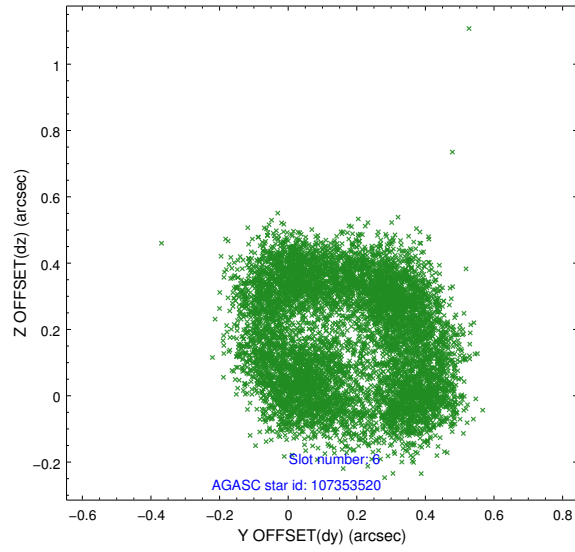
2.4.3 Slot 5



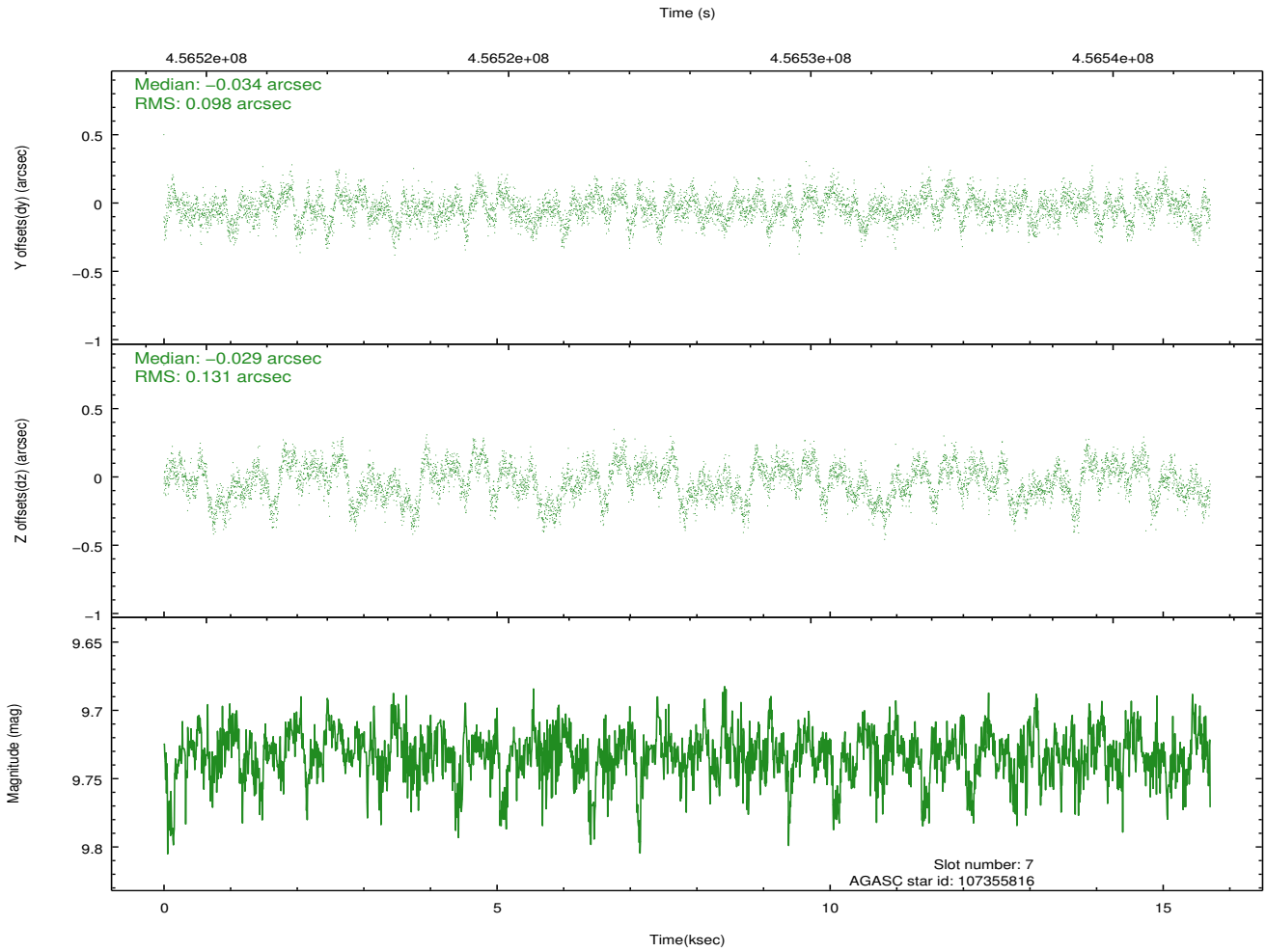
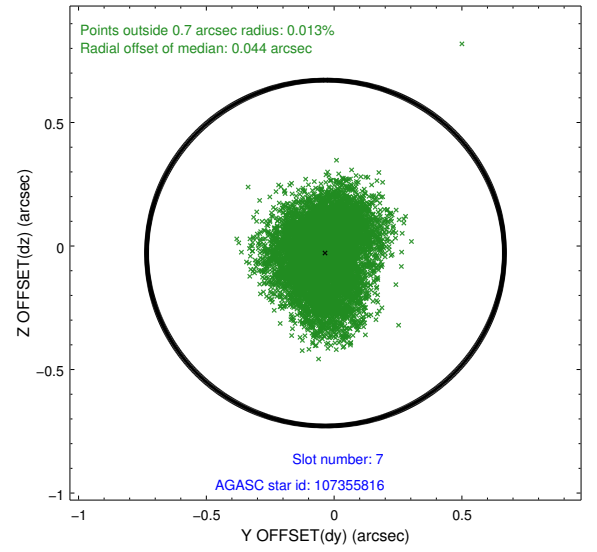
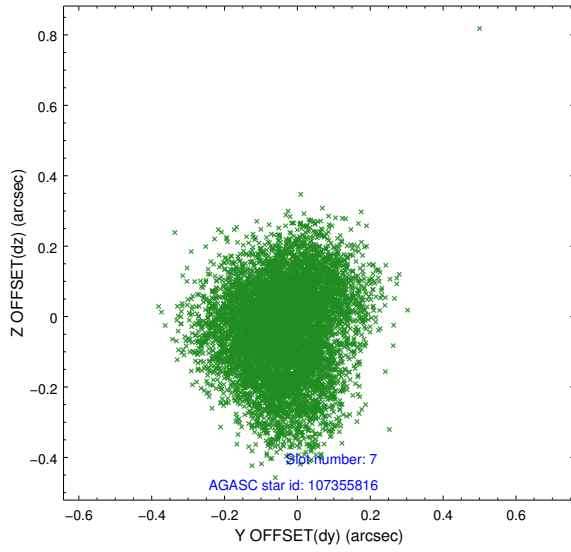
Time (s)



2.4.4 Slot 6

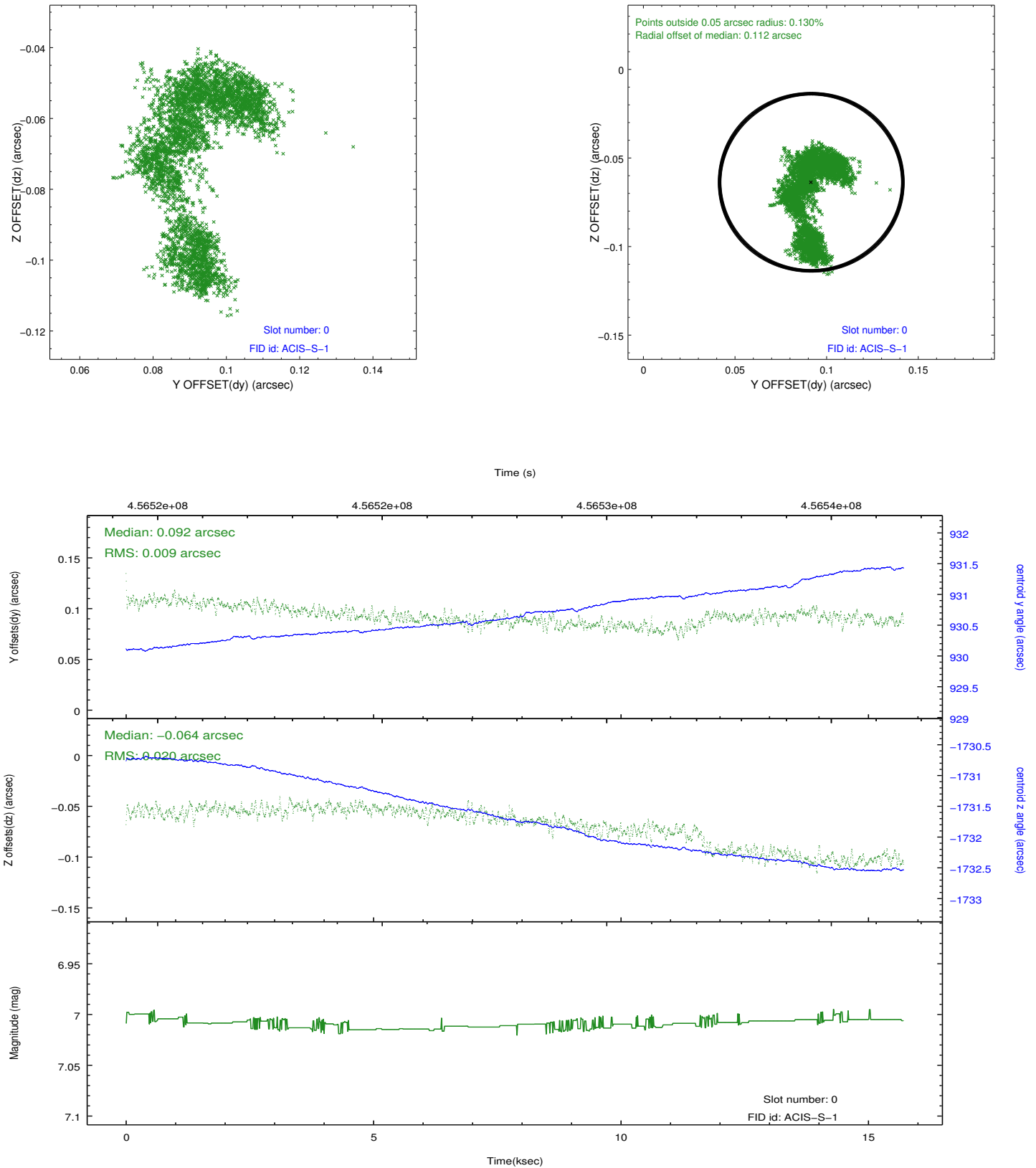


2.4.5 Slot 7

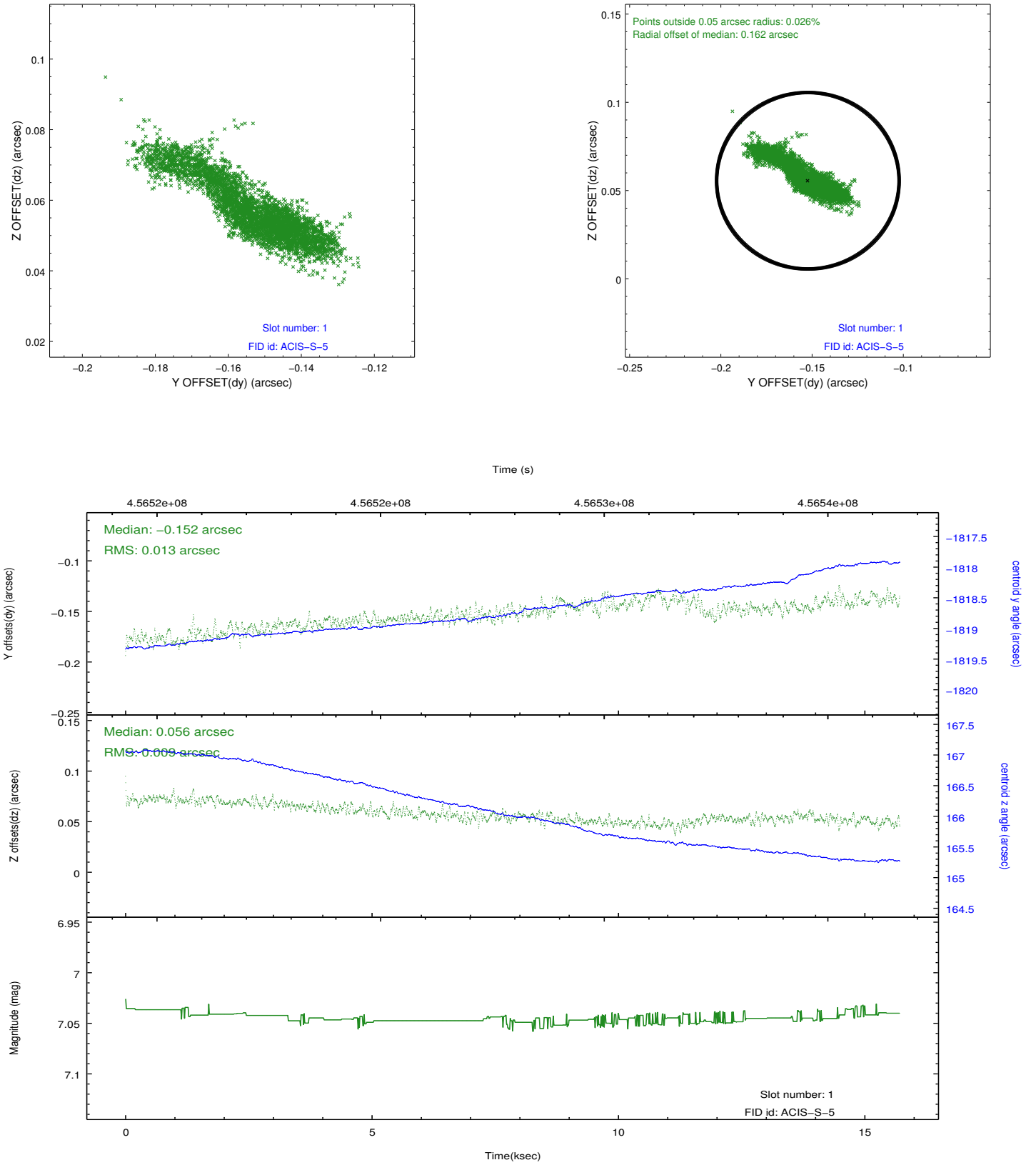


2.5 FID Slots

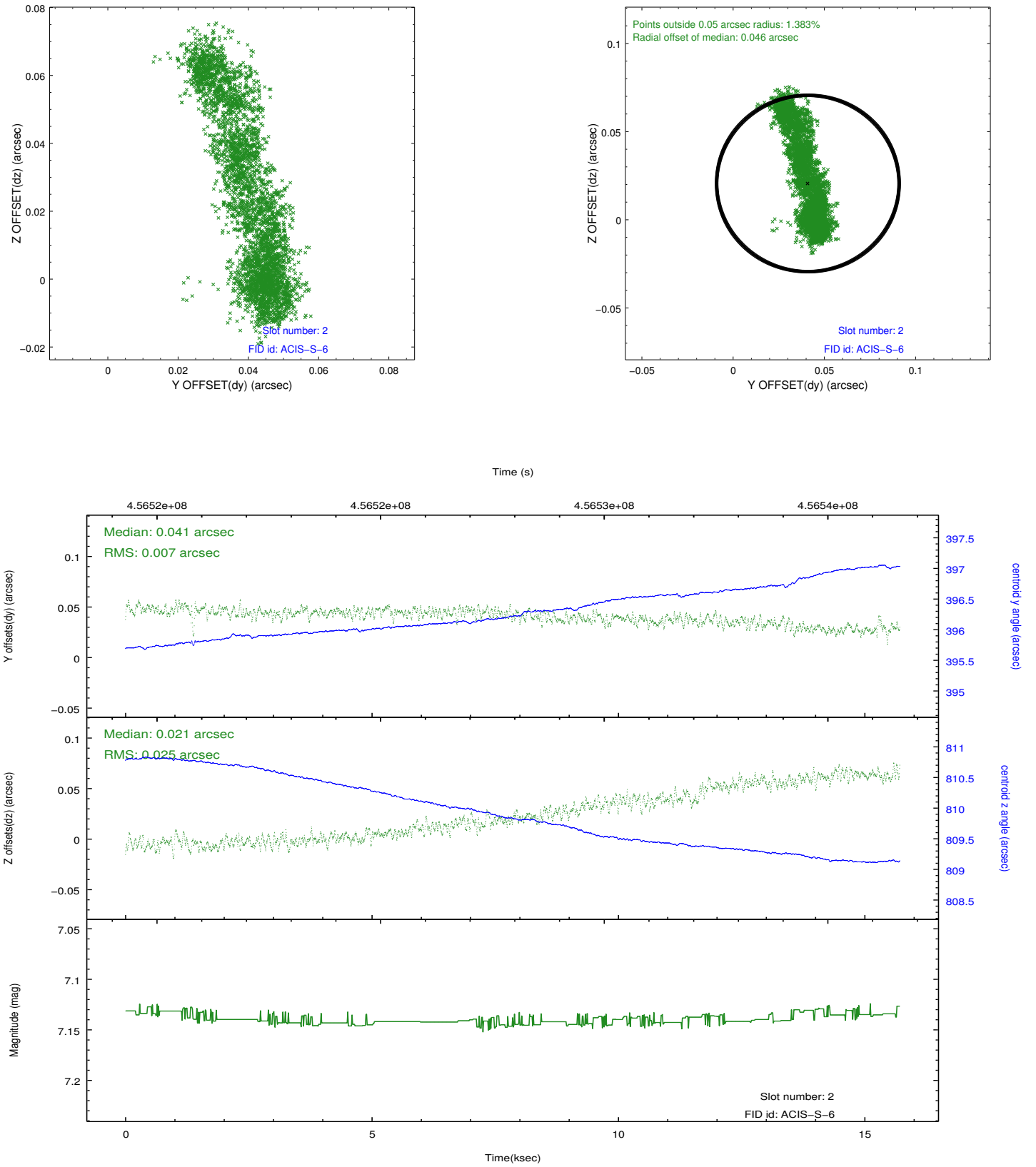
2.5.1 Slot 0



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	15.069100115895

A.2 Comments

Joint Proposal: NRAO