

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 16983 - L2 Version 1
Chandra X-Ray Center

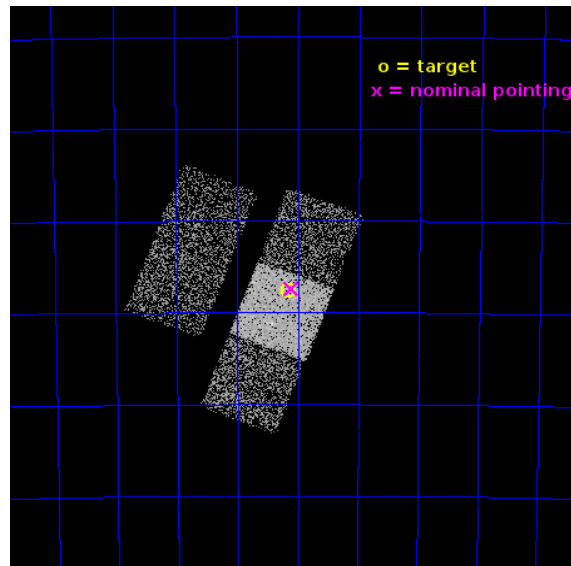
L2 Processing Date : Aug 23 2015

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1 Front

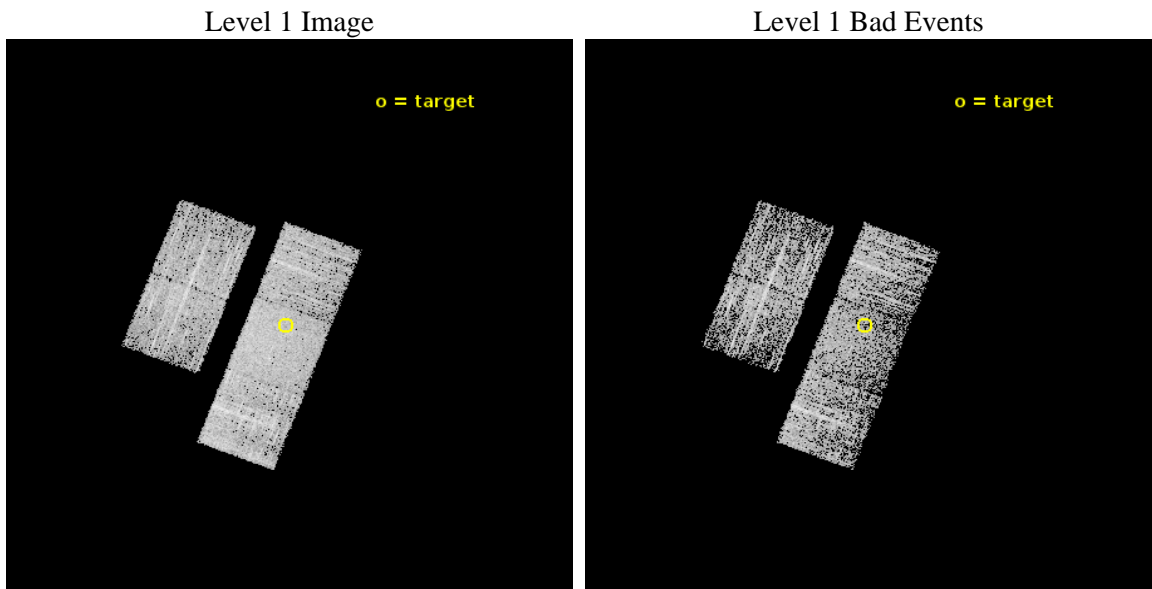
seq_num	601176	Sequence number
obs_id	16983	Observation id
title	Super-massive black holes and nuclear star clusters in late type galaxies	Proposal title
observer	Elena Gallo	Principal investigator
object	NGC1892	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	79.2875	Observer's specified target RA [deg]
dec_targ	-64.959806	Observer's specified target Dec [deg]
ra_nom	79.276483052904	Nominal RA [deg]
dec_nom	-64.957089968461	Nominal Dec [deg]
roll_nom	110.94788945988	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3661.0099449158	Sum of GTIs [s]
livetime	3613.1761547891	Livetime [s]
ontime2	3660.8457849026	Sum of GTIs [s]
ontime3	3660.9278649092	Sum of GTIs [s]
ontime6	3660.9689049721	Sum of GTIs [s]
ontime7	3661.0099449158	Sum of GTIs [s]
ontime8	3660.8868249655	Sum of GTIs [s]
l2events	19046	Number of level 2 events



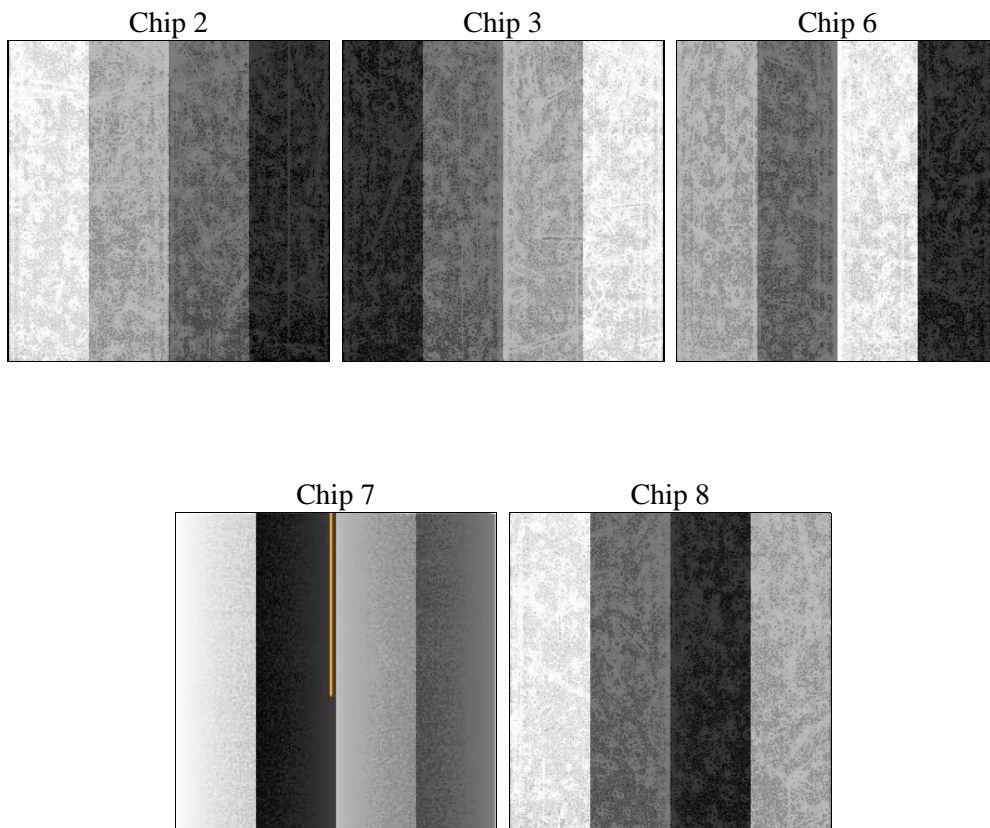
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3600.000000	[s] Scheduled observation exposure time
ascdsver	10.4.1	Processing system revision	ontime	3661.0099449158	Sum of GTIs [s]
caldsver	4.6.8	 	ontime2	3660.8457849026	Sum of GTIs [s]
date	2015-08-23T19:44:11	Date and time of file creation	ontime3	3660.9278649092	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3660.9689049721	Sum of GTIs [s]
			ontime7	3661.0099449158	Sum of GTIs [s]
			ontime8	3660.8868249655	Sum of GTIs [s]
			l1events	110855	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	18808	19228	20489	25915	26415
rejected events	16739	17148	18132	14681	19432
rejected %	88%	89%	88%	56%	73%

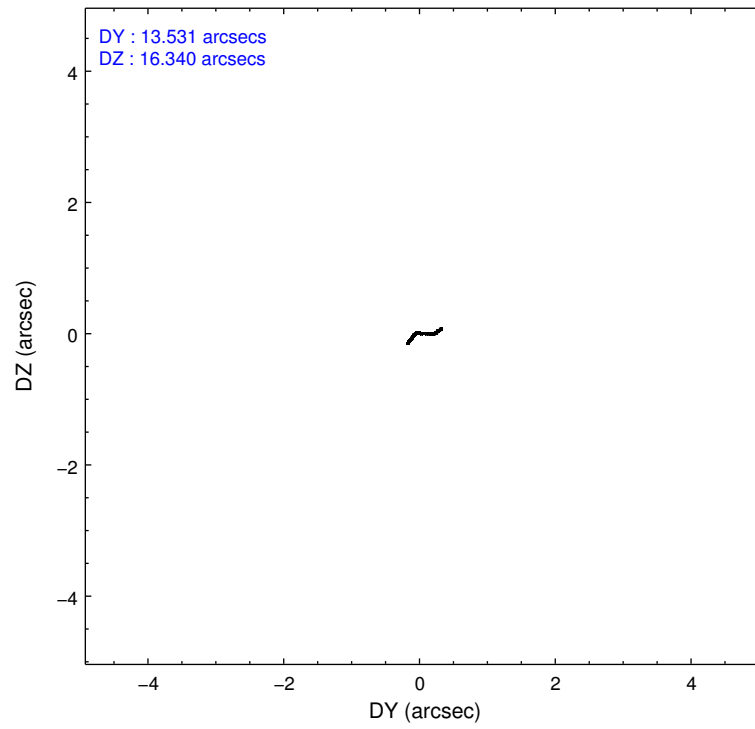
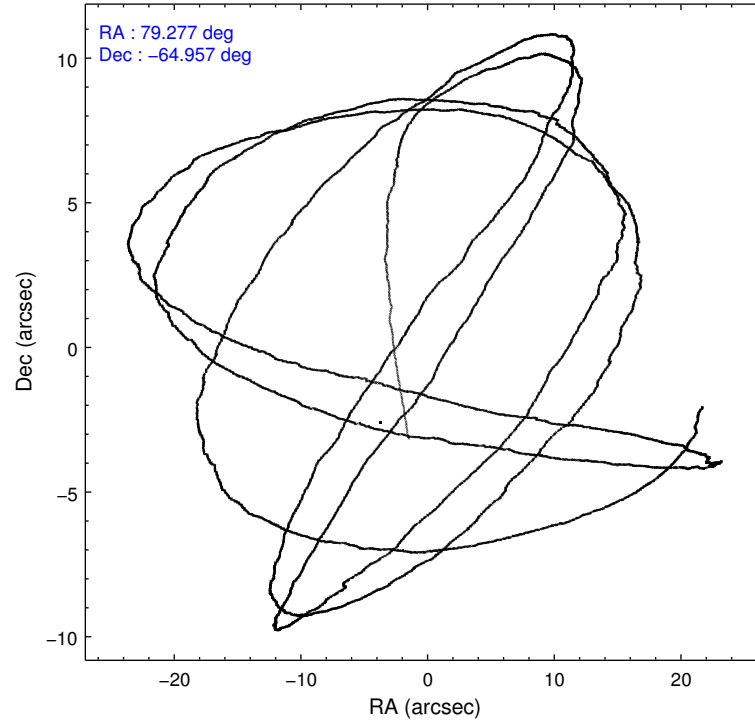
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	820	718	724	1020	1921
	4%	3%	3%	3%	7%
grade 1 events	11	3	4	27	14
	0%	0%	0%	0%	0%
grade 2 events	481	486	576	2358	1675
	2%	2%	2%	9%	6%
grade 3 events	200	222	228	916	615
	1%	1%	1%	3%	2%
grade 4 events	179	213	264	931	624
	0%	1%	1%	3%	2%
grade 5 events	772	972	1062	2542	1528
	4%	5%	5%	9%	5%
grade 6 events	391	442	570	6019	2149
	2%	2%	2%	23%	8%
grade 7 events	15954	16172	17061	12102	17889
	84%	84%	83%	46%	67%

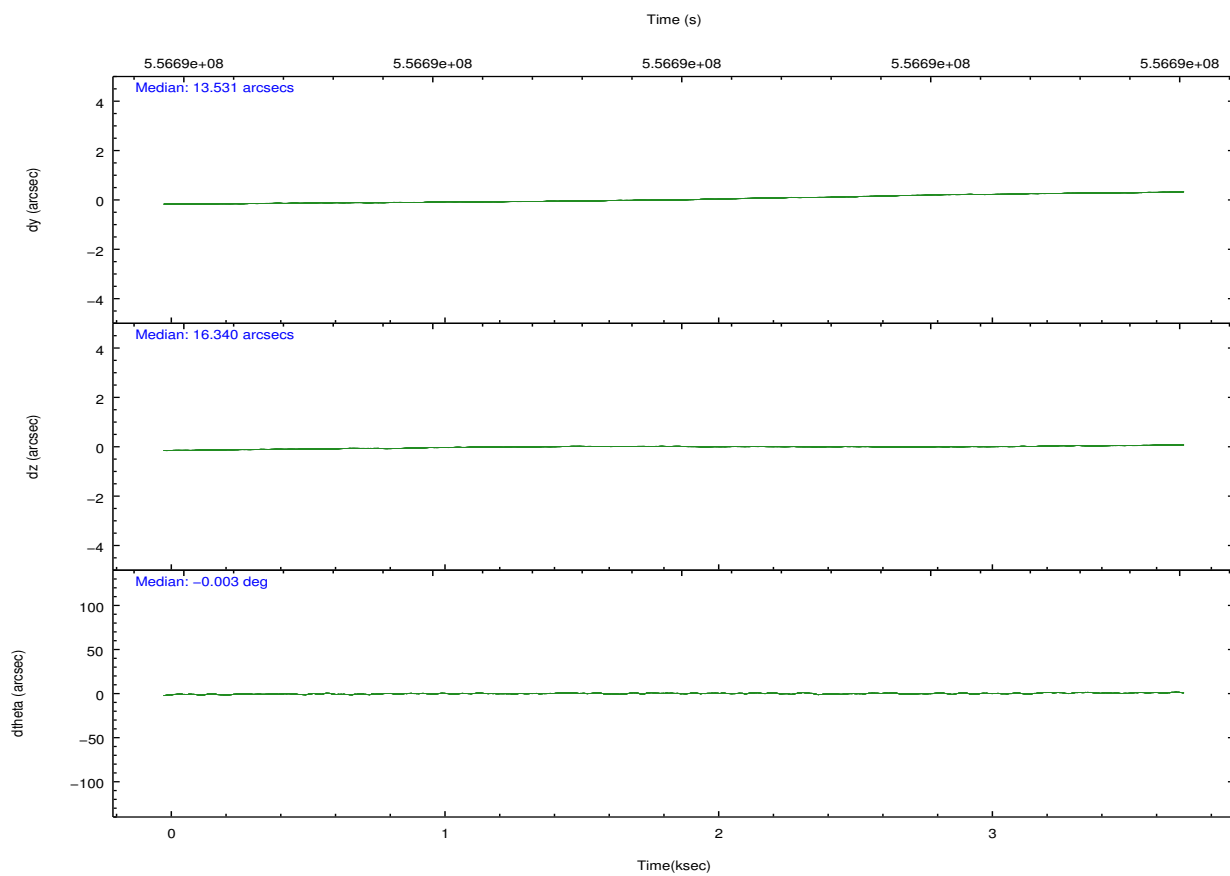
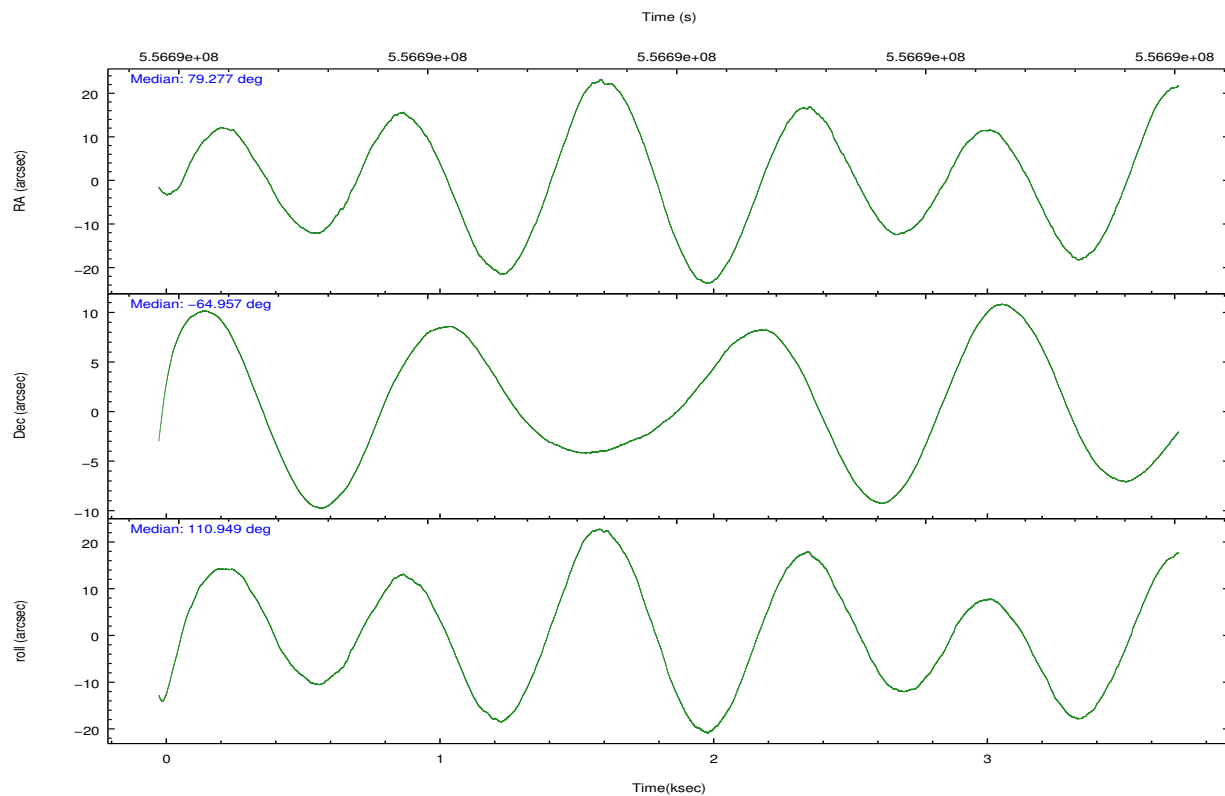
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-23678	ACIS-23678
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	79.327293	79.27648305290393
[deg] Pointing Dec	-64.974089	-64.95708996846078
[deg] Pointing Roll	110.837348	110.9478894598752
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	556690210.184000	556688478.99872
Observation start date	2015-08-23T04:09:02	2015-08-23T03:41:18
[s] Observation end time (MET)	556693810.184000	556694078.5740401
Observation end date	2015-08-23T05:09:02	2015-08-23T05:14:38
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	O2	Y
CCD I3 on	O1	Y
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	N	N
Number of optional ACIS chips dropped	0	0
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



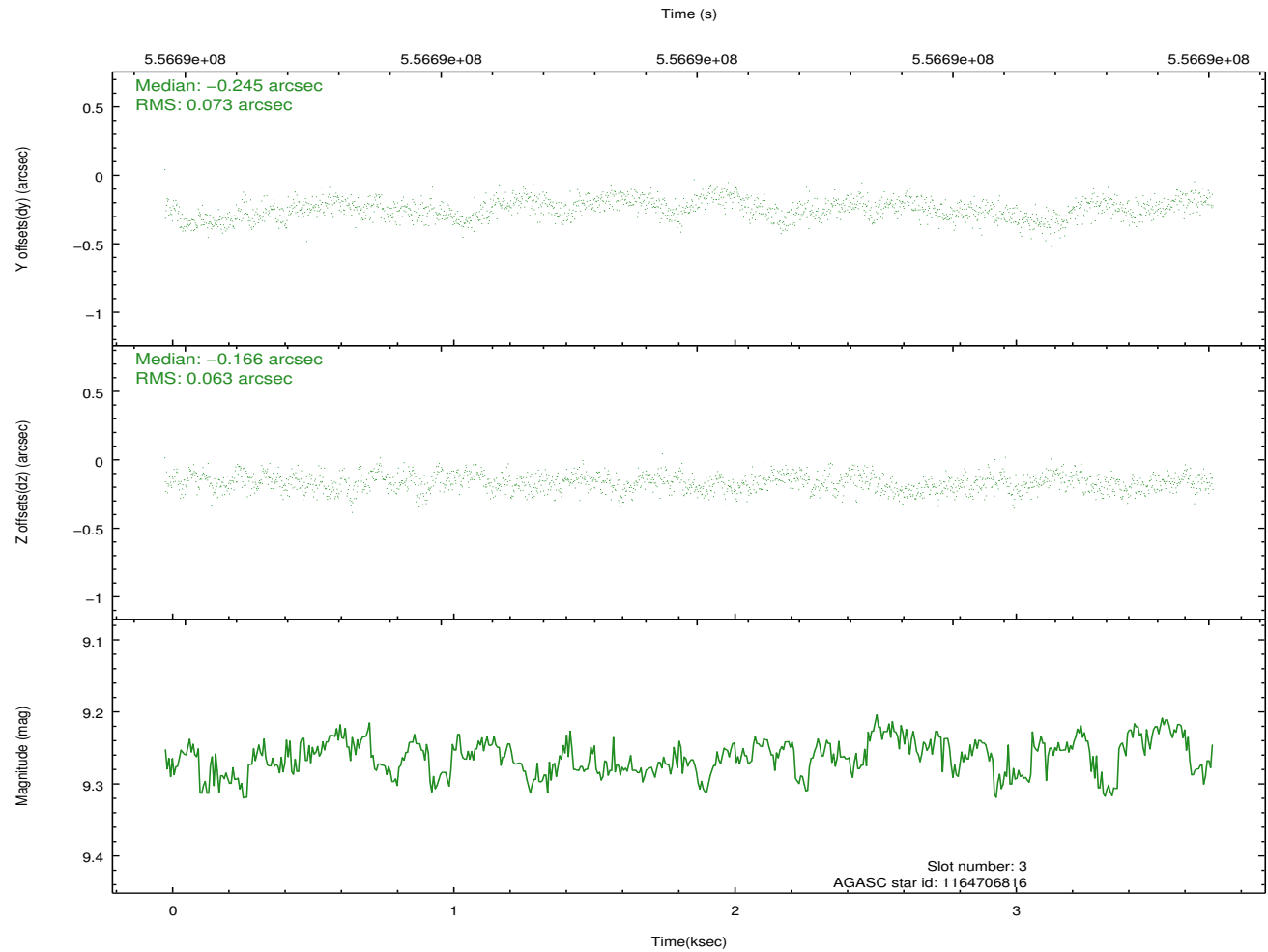
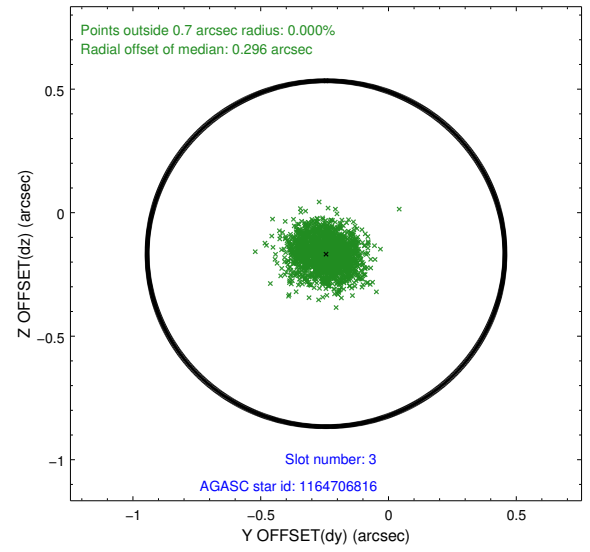
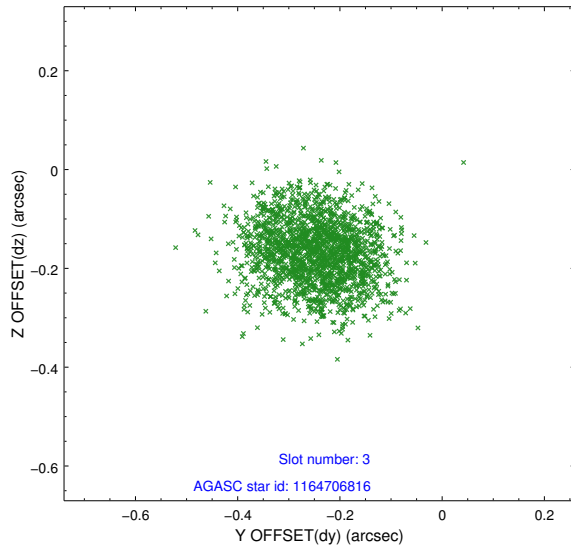


Slot Statistics

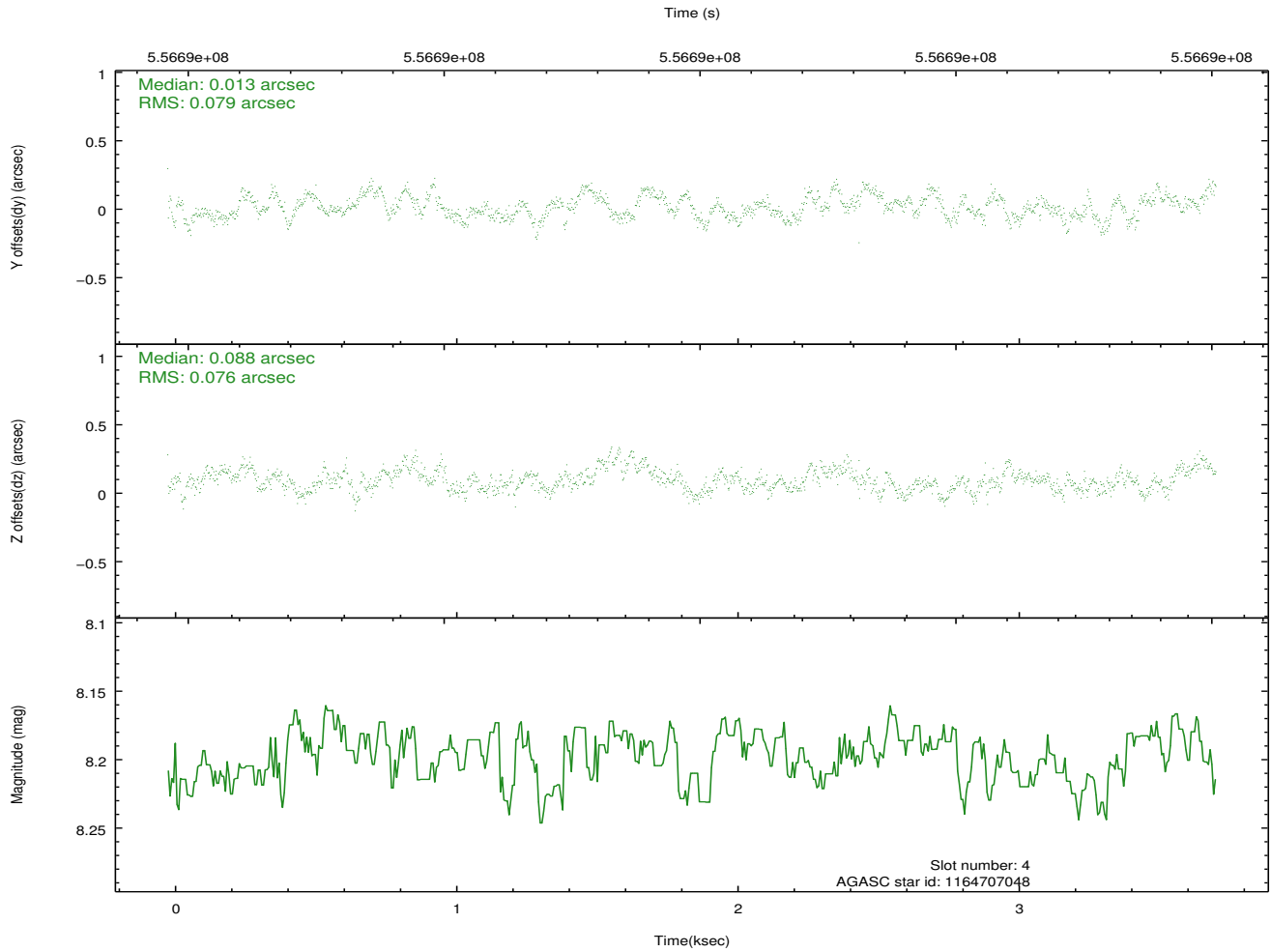
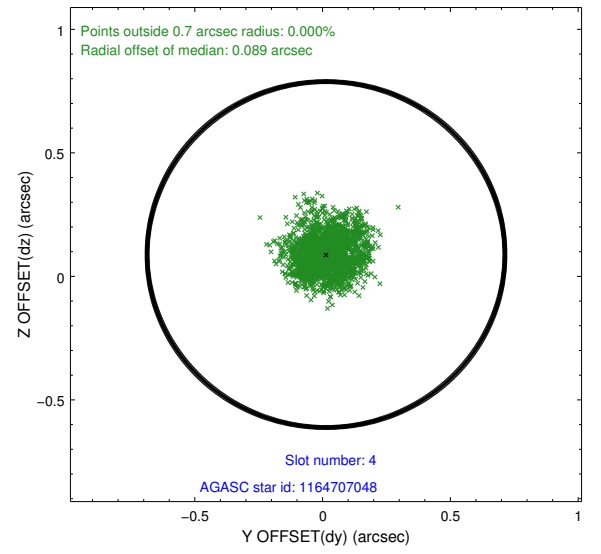
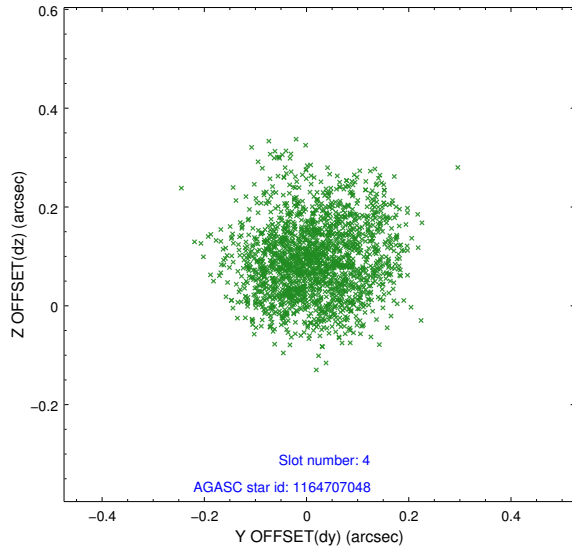
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.10	909	-0.148	-0.092	0.009	0.016	0.000000	0.000000	-766.67	-1737.77
1	FID		ACIS-S-4	7.20	909	0.206	0.067	0.008	0.012	0.000000	0.000000	2146.21	169.09
2	FID		ACIS-S-6	7.35	909	-0.085	0.032	0.007	0.012	0.000000	0.000000	397.56	808.39
3	GUIDE	used	1164706816	9.26	1818	-0.245	-0.166	0.106	0.163	78.462809	-64.469054	2167.90	610.27
4	GUIDE	used	1164707048	8.20	1818	0.013	0.088	0.120	0.185	80.254018	-64.332744	1638.28	-2167.30
5	GUIDE	used	1164708232	8.80	1819	-0.007	-0.197	0.100	0.170	78.354737	-65.236110	-369.02	1709.24
6	GUIDE	used	1164717768	9.71	1815	0.178	0.326	0.159	0.254	80.983833	-65.171015	-1584.84	-2076.10
7	GUIDE	used	1164717896	8.98	1818	0.053	-0.060	0.115	0.183	79.562805	-65.530348	-1997.45	383.41

2.4 Star Slots

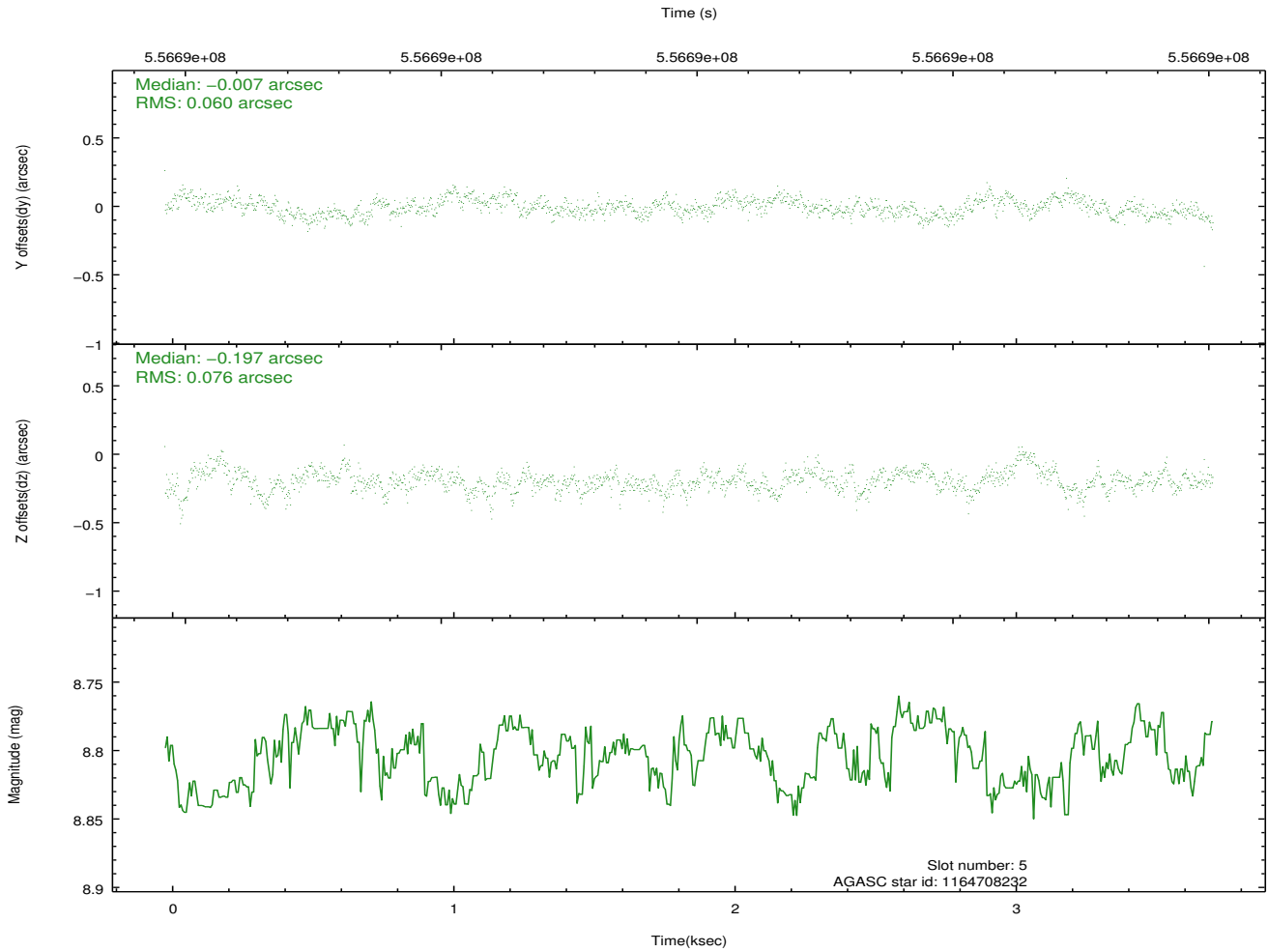
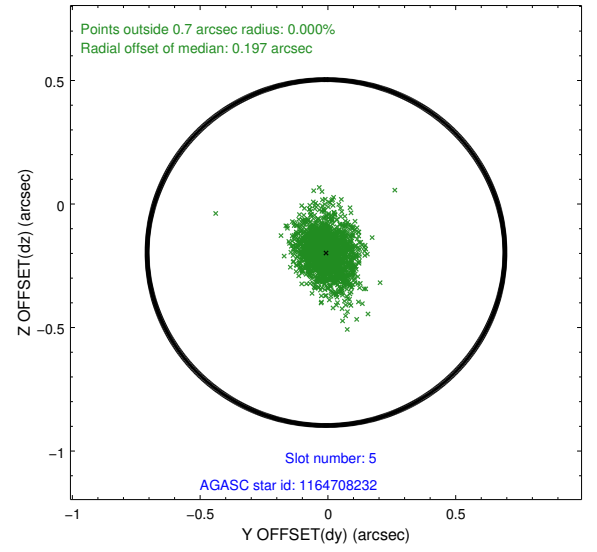
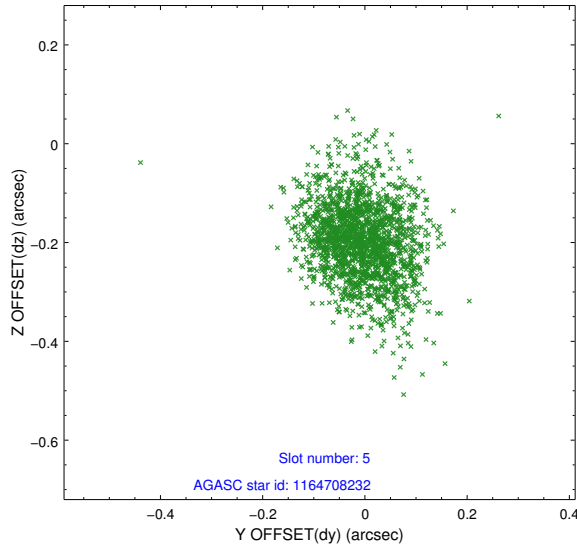
2.4.1 Slot 3



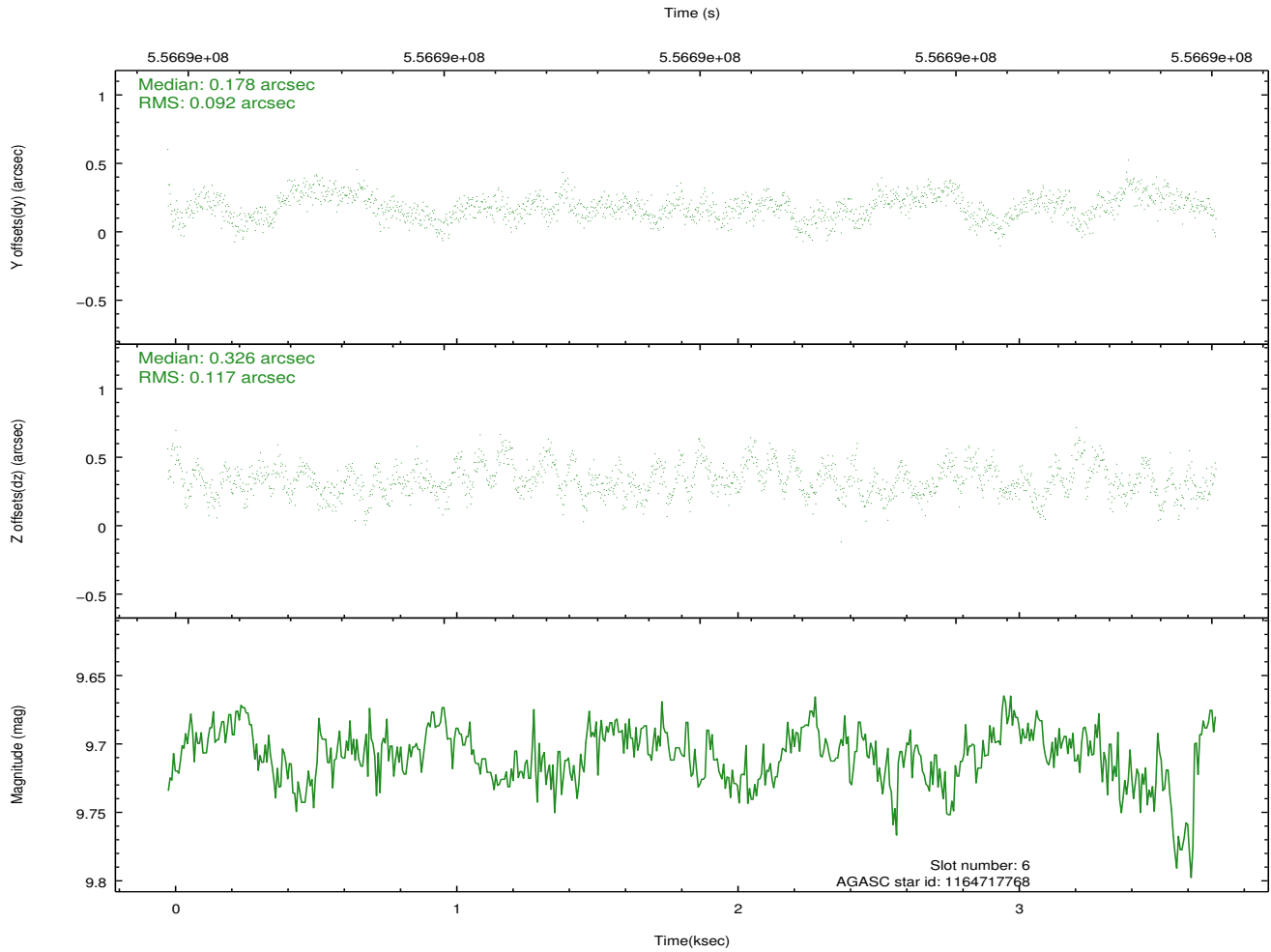
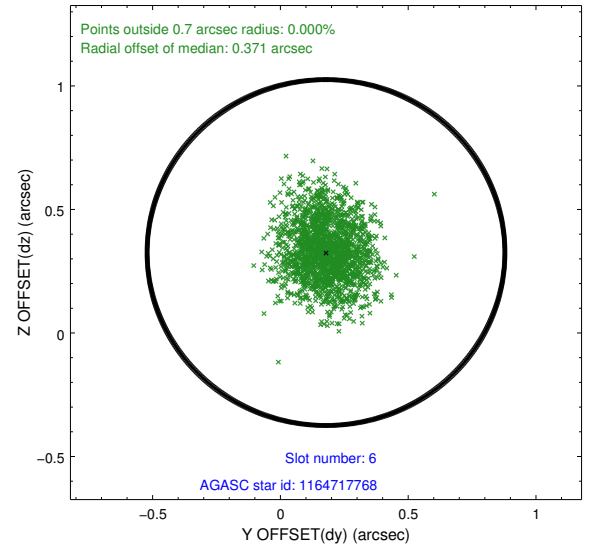
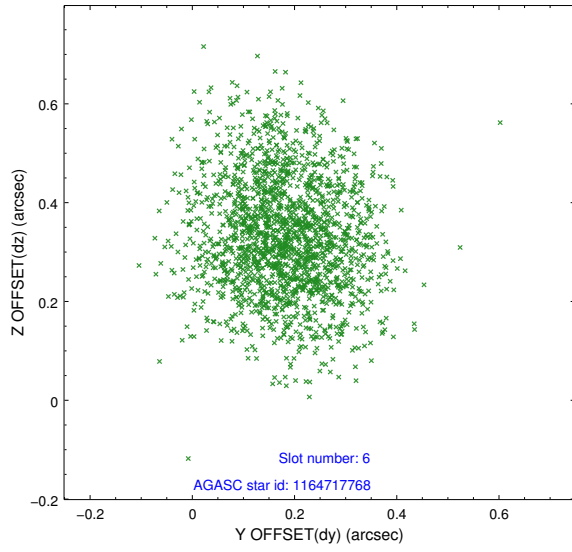
2.4.2 Slot 4



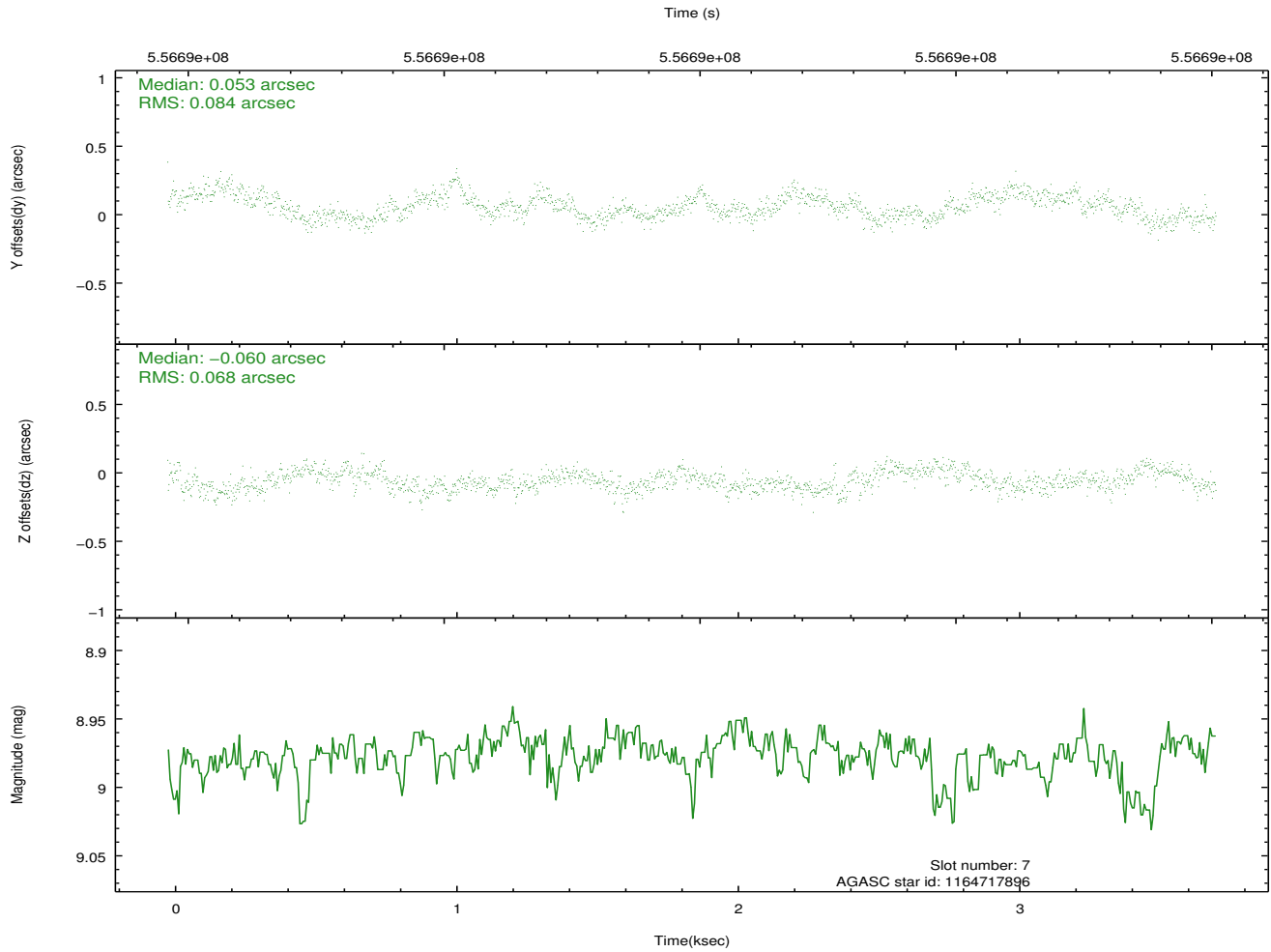
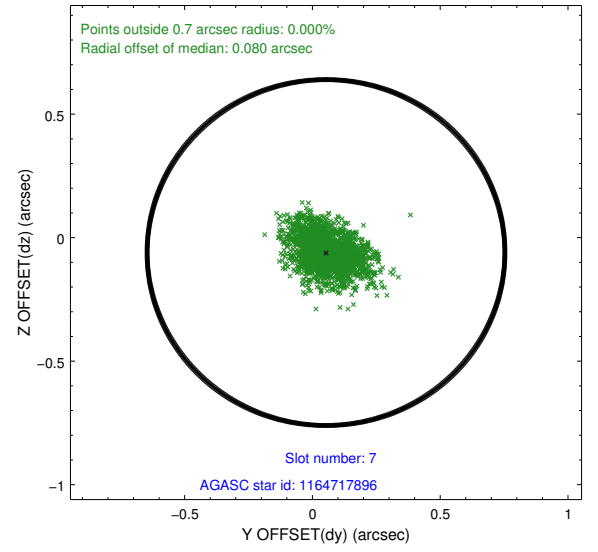
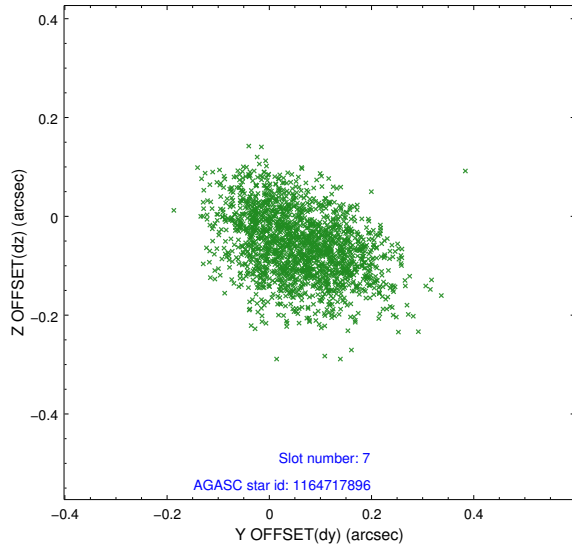
2.4.3 Slot 5



2.4.4 Slot 6

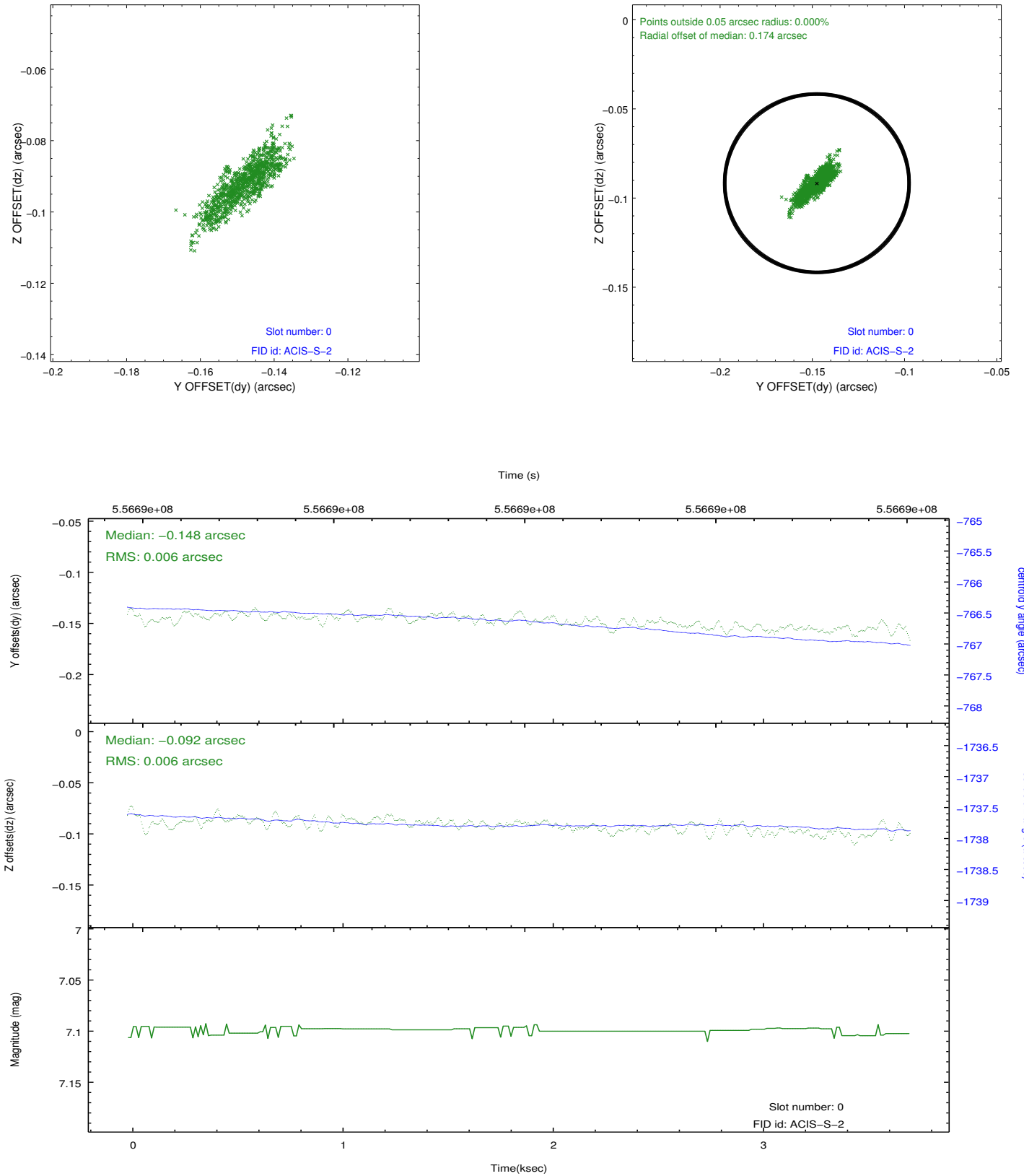


2.4.5 Slot 7

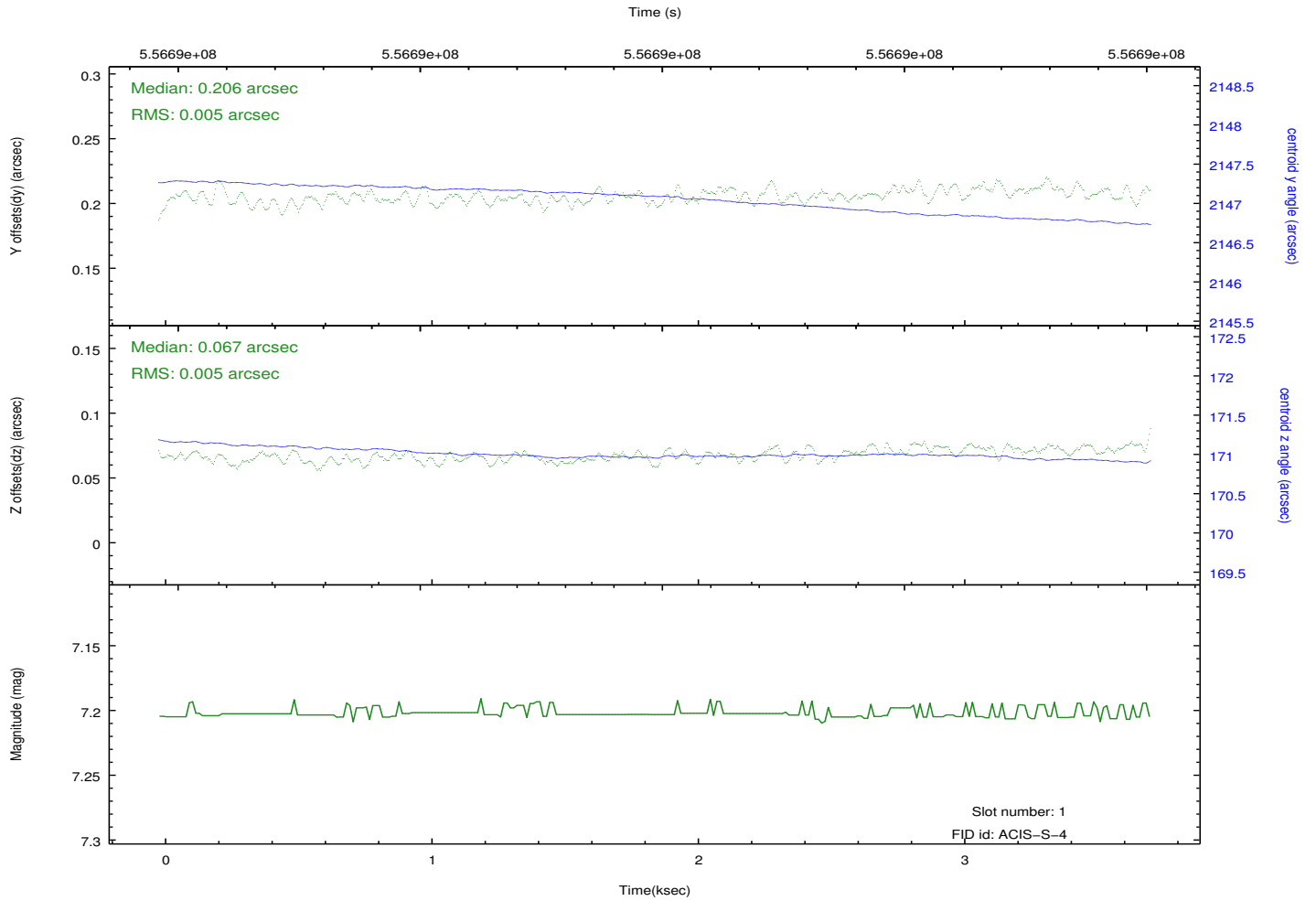
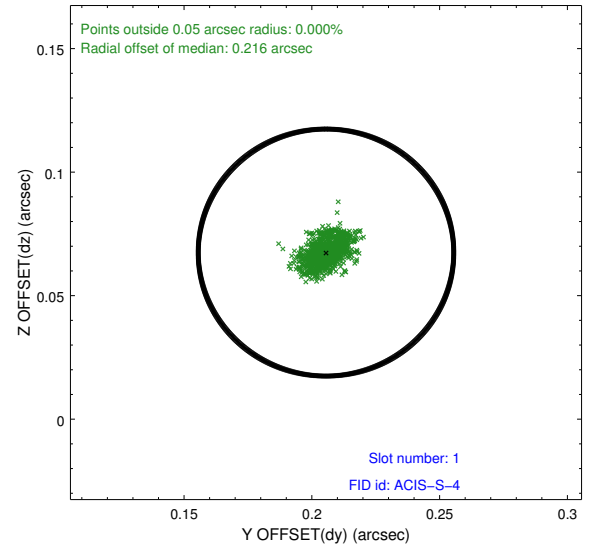
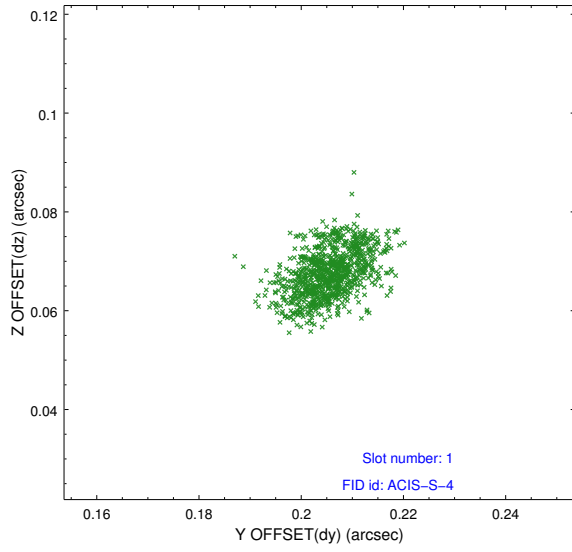


2.5 FID Slots

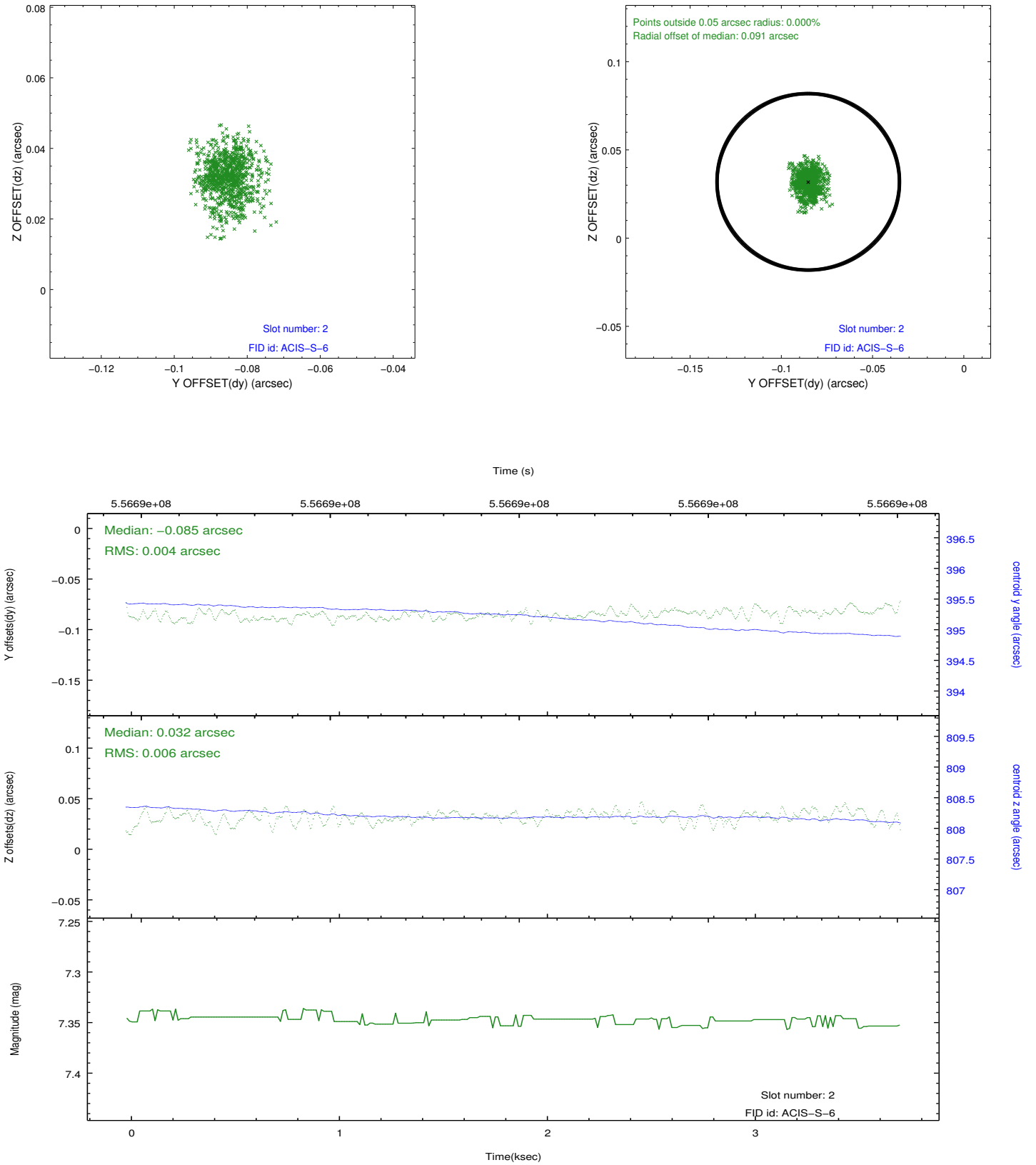
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.08.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.6610099449158

A.2 Comments