

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2381 - L2 Version 5
Chandra X-Ray Center

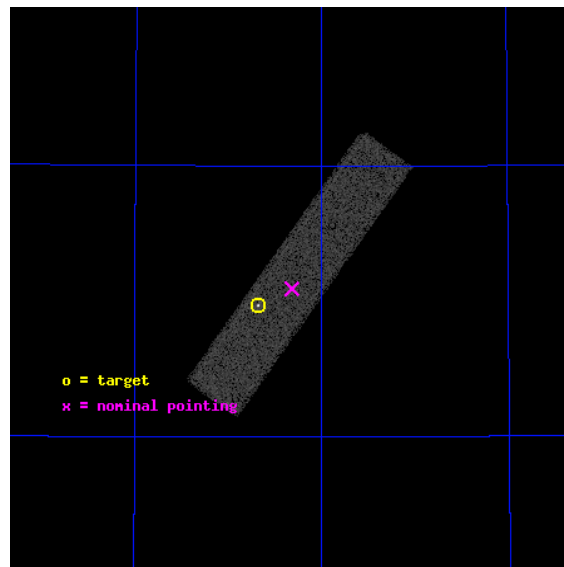
L2 Processing Date : Sep 4 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	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

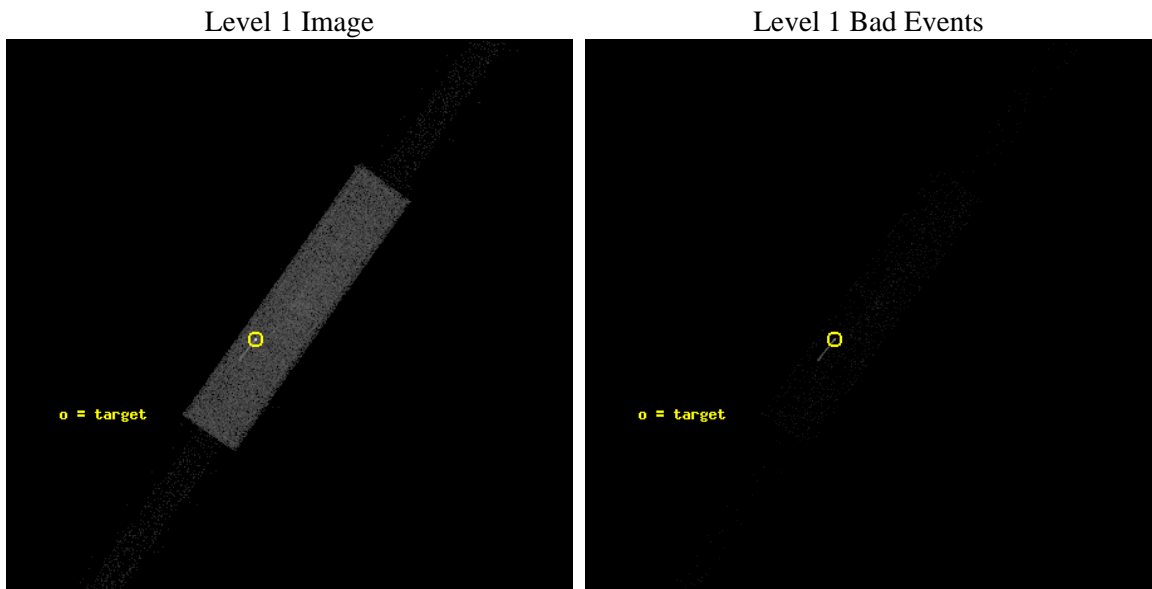
seq_num	290127	Sequence number
obs_id	2381	Observation id
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC,HRC-S,AO2	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.07953029355	Nominal RA [deg]
dec_nom	45.773200225999	Nominal Dec [deg]
roll_nom	305.38858811958	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1142.1062937081	[s]
livetime	1136.8785867021	Ontime multiplied by DTCOR
l2events	34680	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1142.1062937081	[s]
caldsver	4.5.1.1	 	l1events	58959	Number of level 1 events
date	2012-09-05T01:26:21	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

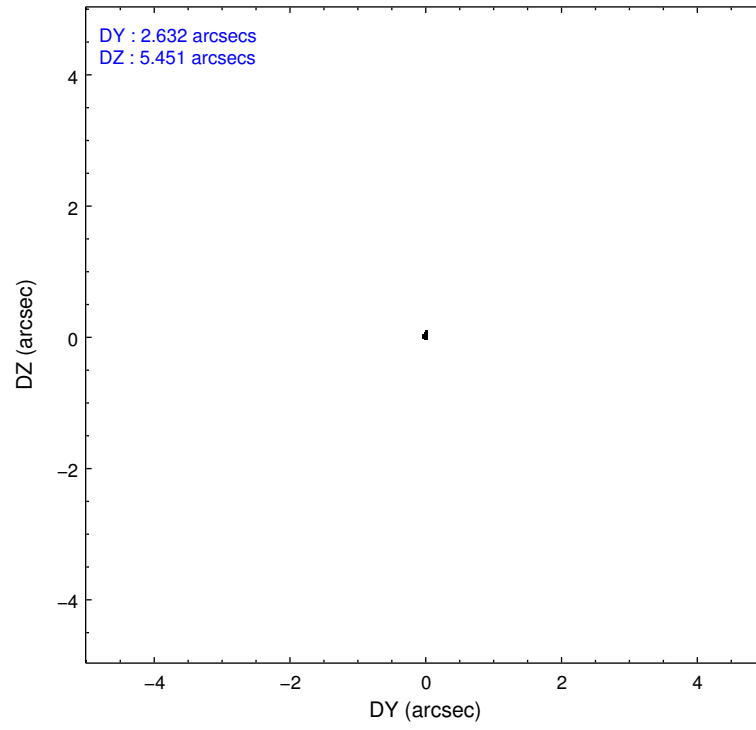
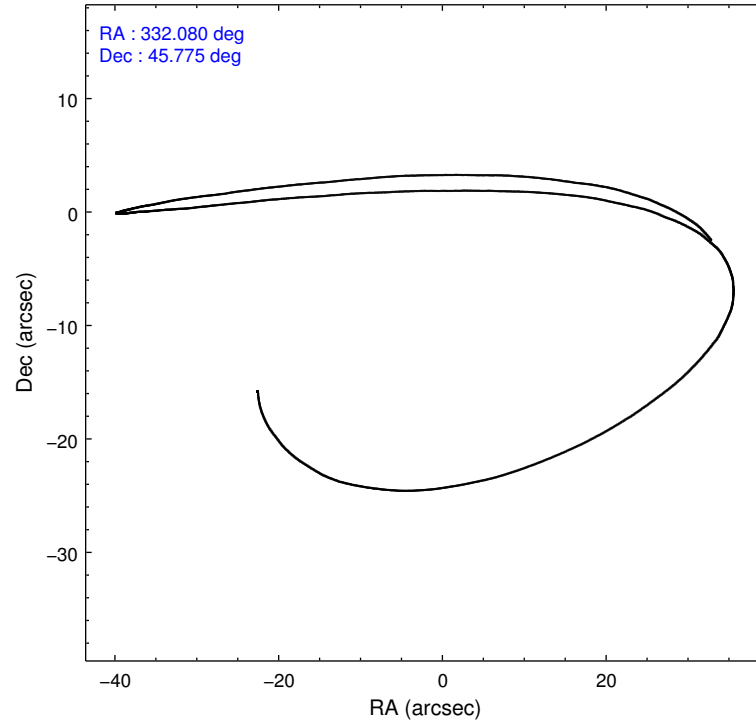
	segment 1	segment 2	segment 3
level 1 events	940	57071	948
rejected events	940	13092	948
rejected %	100%	22%	100%

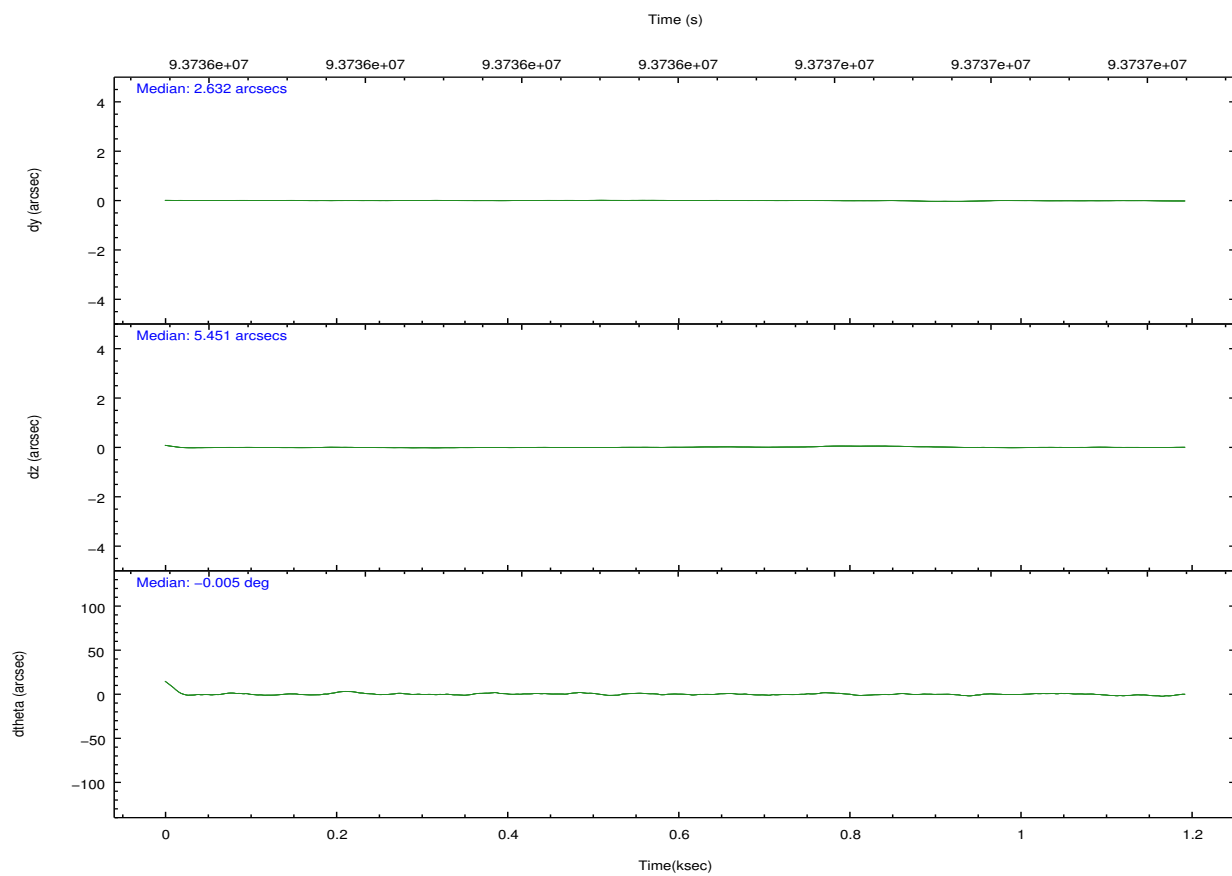
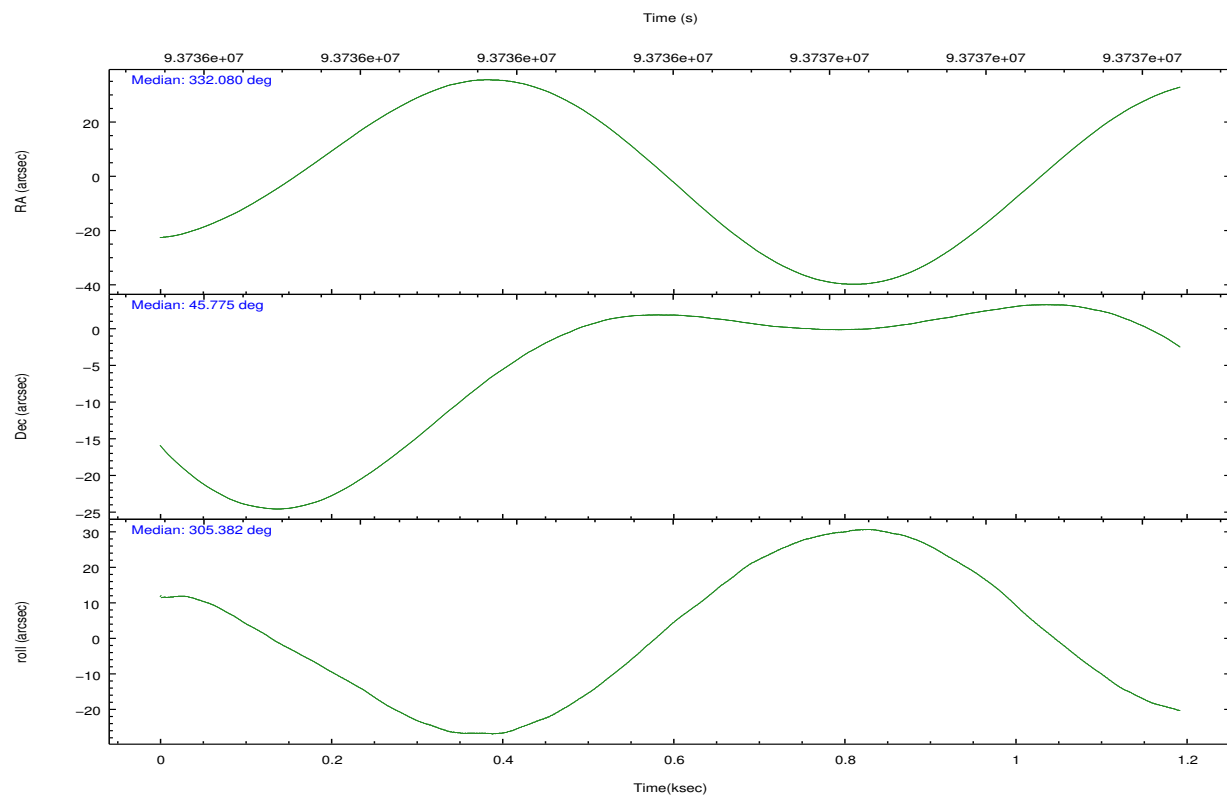
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.041438	332.0795302935498
[deg] Pointing Dec	45.784179	45.77320022599888
[deg] Pointing Roll	305.348605	305.3885881195777
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	93735992.184000	93735615.689567
Observation start date	2000-12-20T21:45:28	2000-12-20T21:40:15
[s] Observation end time (MET)	93736992.184000	93737125.514625
Observation end date	2000-12-20T22:02:08	2000-12-20T22:05:25

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



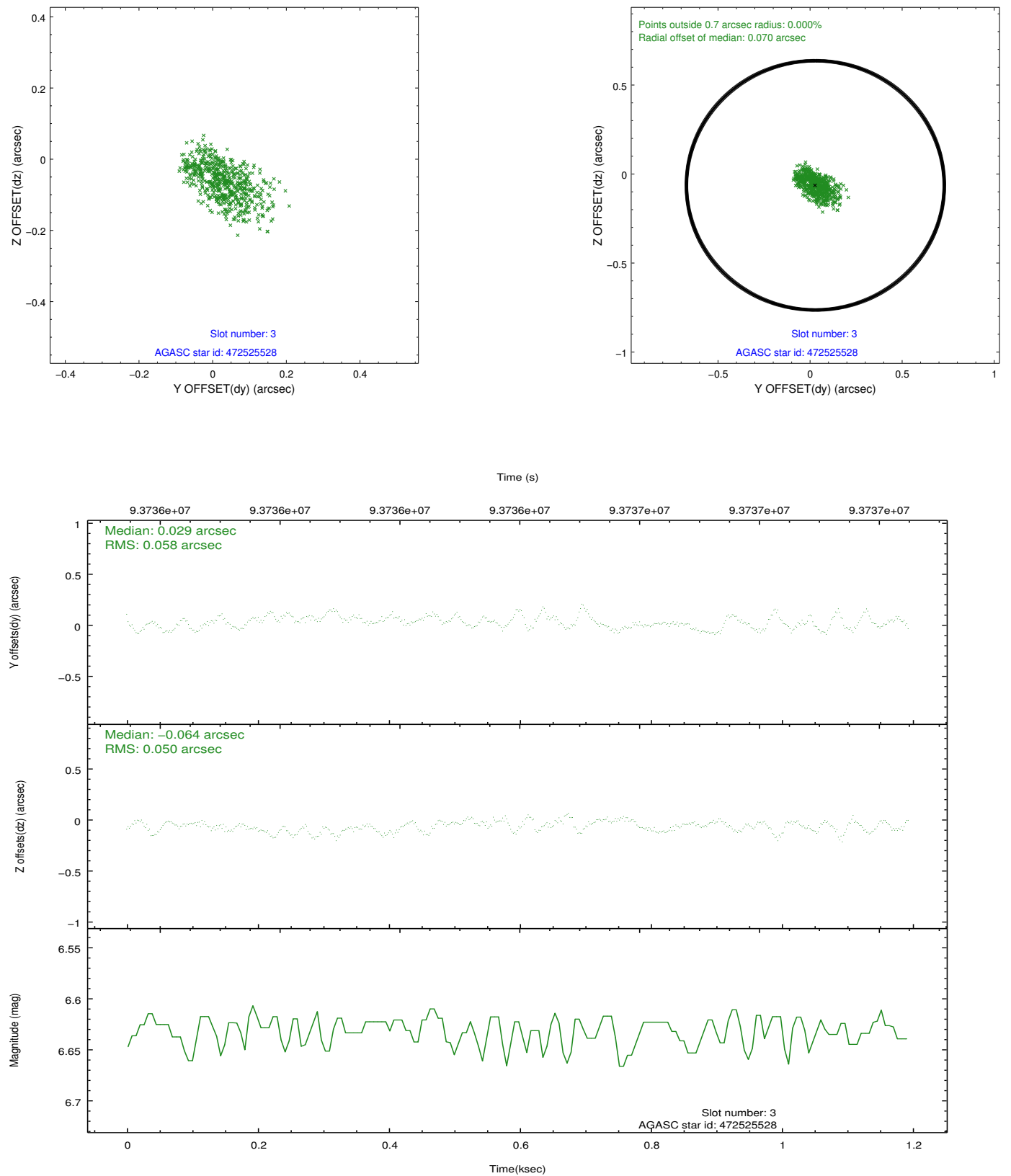


Slot Statistics

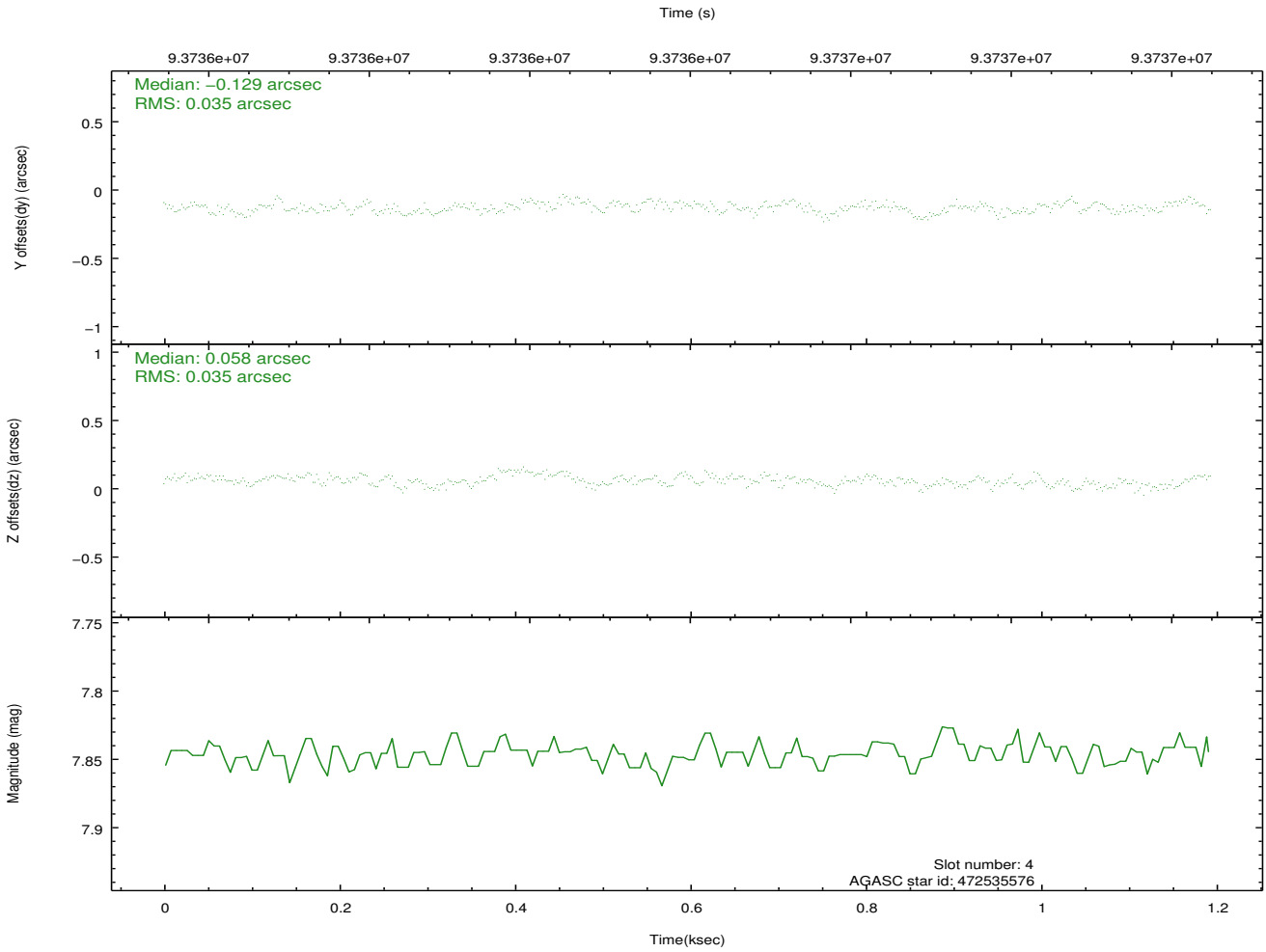
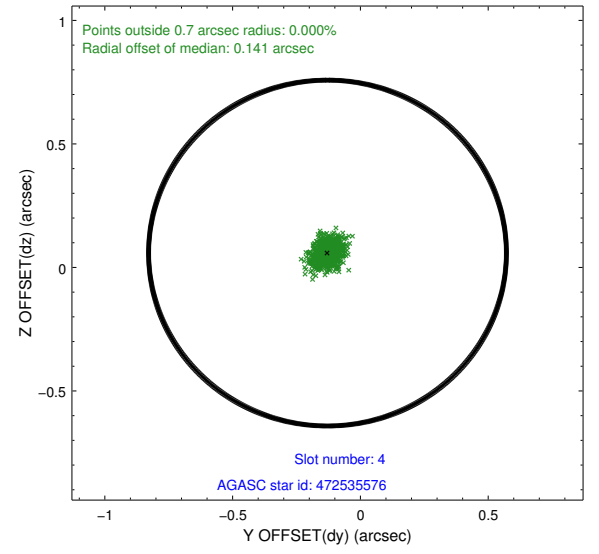
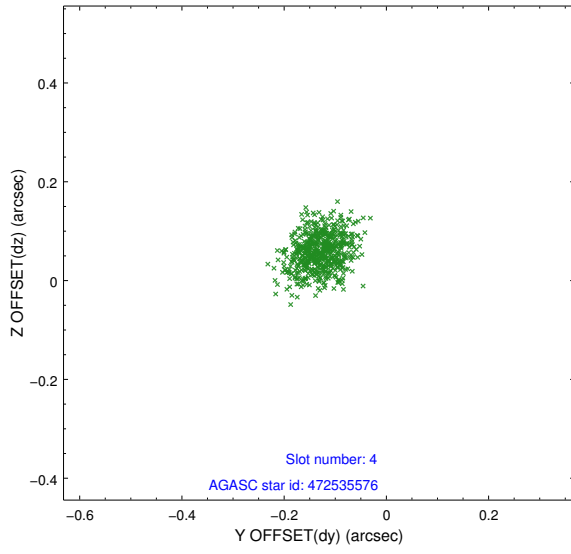
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.97	291	0.113	-0.154	0.007	0.010	0.000000	0.000000	-1156.68	-454.01
1	FID	HRC-S-3	7.00	291	0.150	-0.050	0.008	0.013	0.000000	0.000000	-1163.36	574.06
2	FID	HRC-S-4	6.93	291	0.125	-0.093	0.005	0.010	0.000000	0.000000	1237.58	580.16
3	GUIDE	472525528	6.63	583	0.029	-0.064	0.082	0.131	331.551102	45.248694	850.22	-2126.91
4	GUIDE	472535576	7.85	583	-0.129	0.058	0.053	0.084	331.438373	46.291802	-2362.09	-167.10
5	GUIDE	472523760	8.23	583	-0.012	-0.197	0.056	0.099	331.645363	45.403260	533.08	-1609.11
6	GUIDE	472659832	9.46	580	-0.075	-0.012	0.104	0.164	332.780399	46.098139	138.72	2160.48
7	GUIDE	472646552	9.63	582	0.181	0.195	0.106	0.164	333.120915	45.571877	2182.17	1791.30

2.4 Star Slots

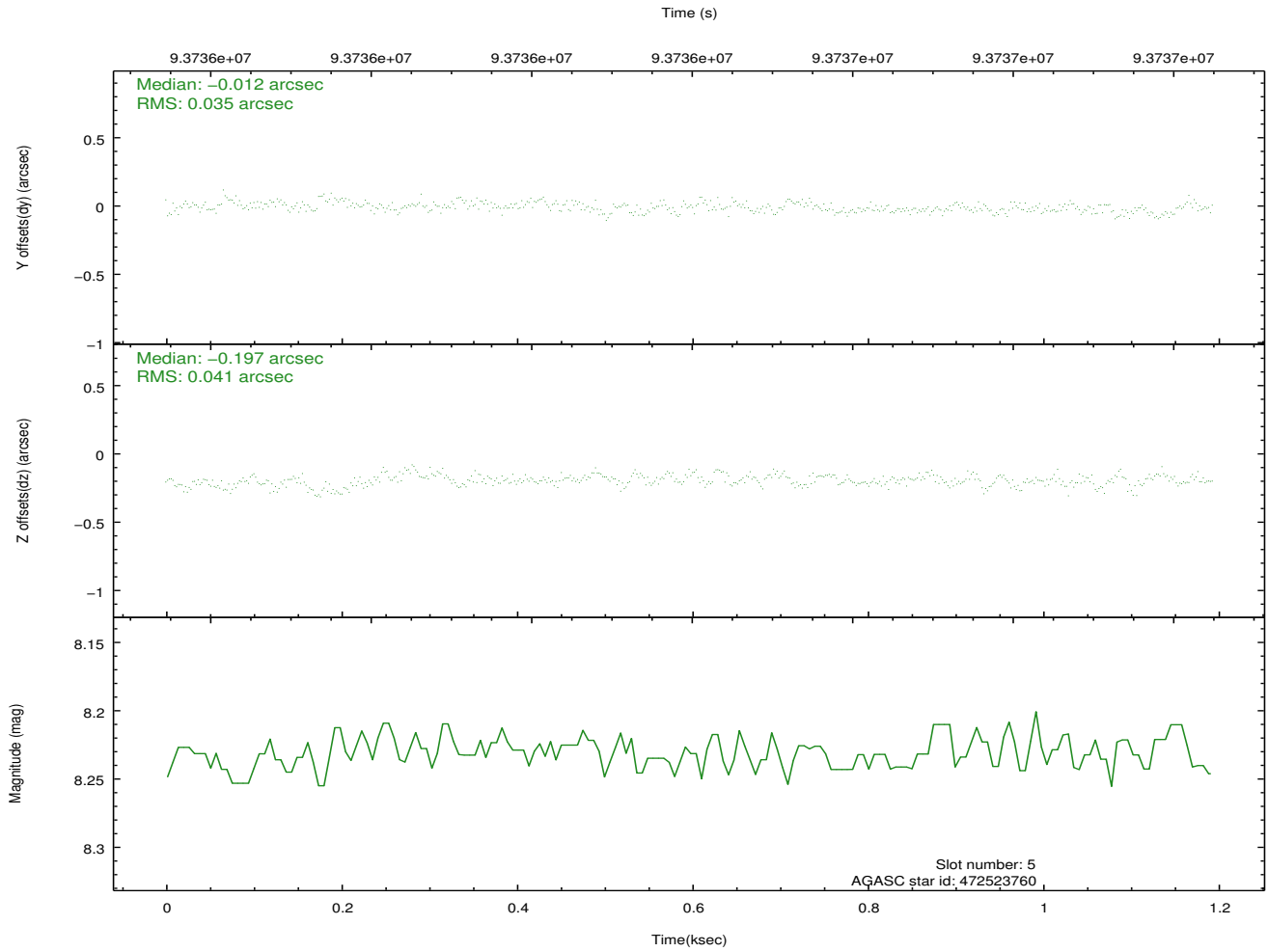
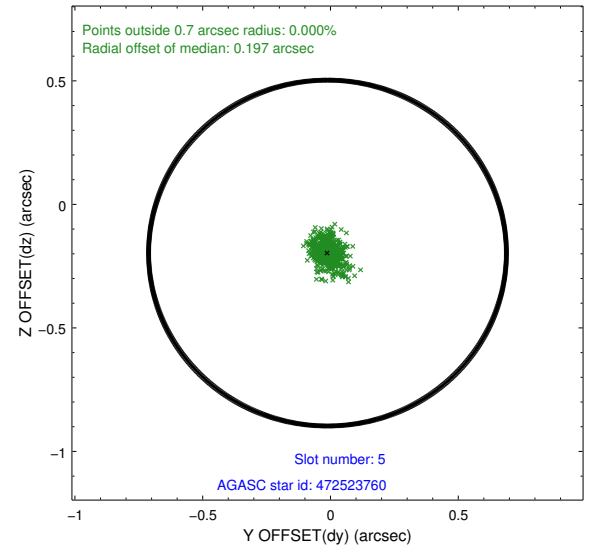
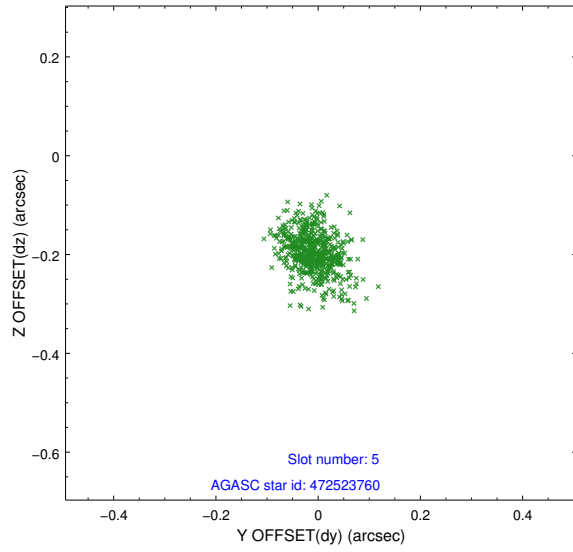
2.4.1 Slot 3



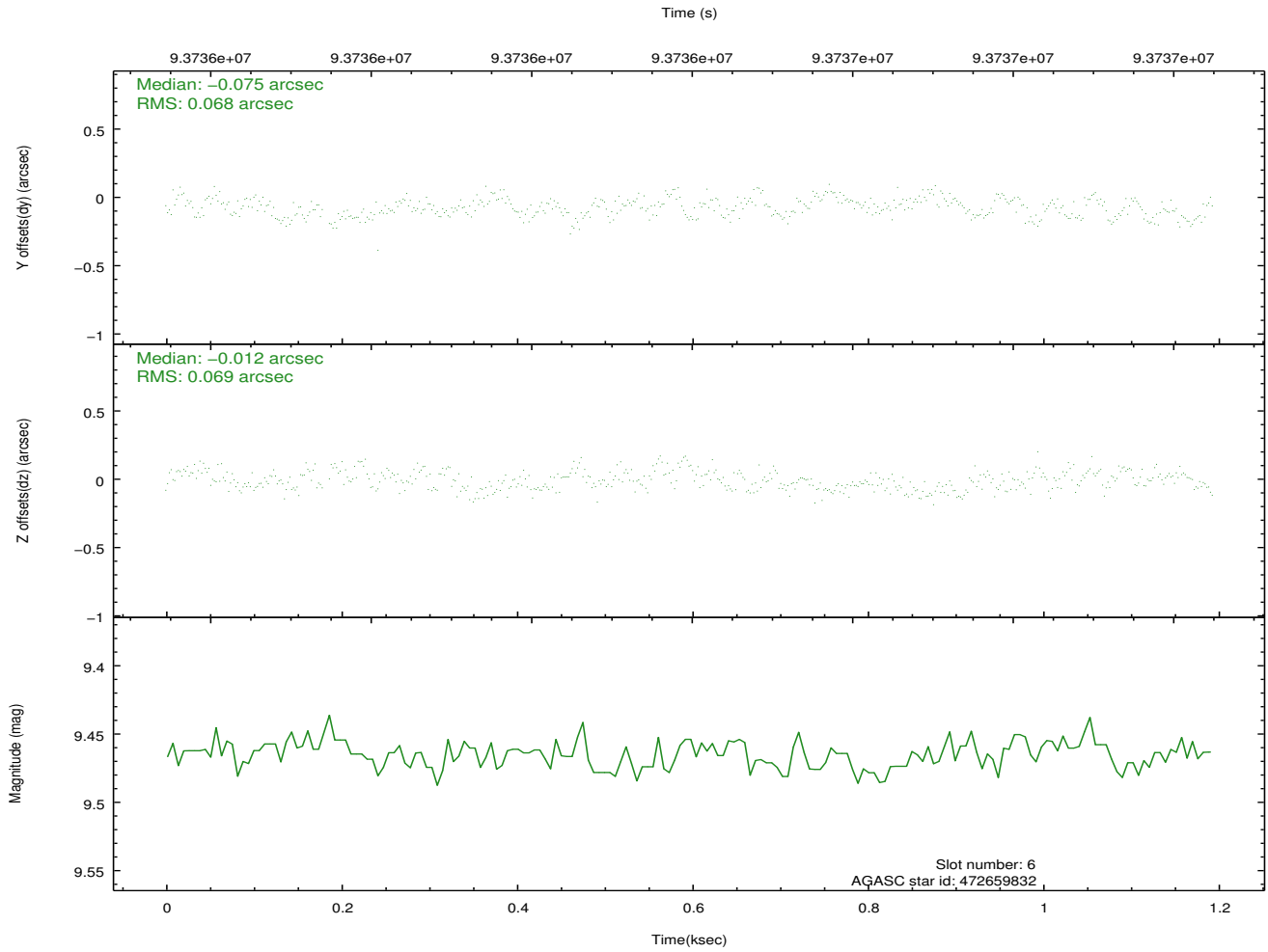
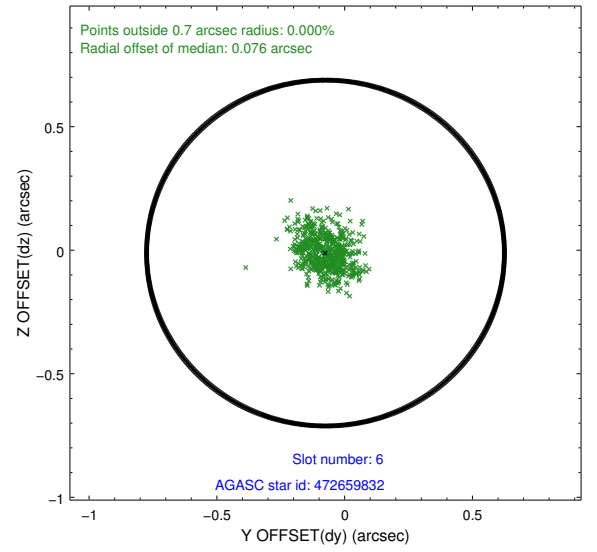
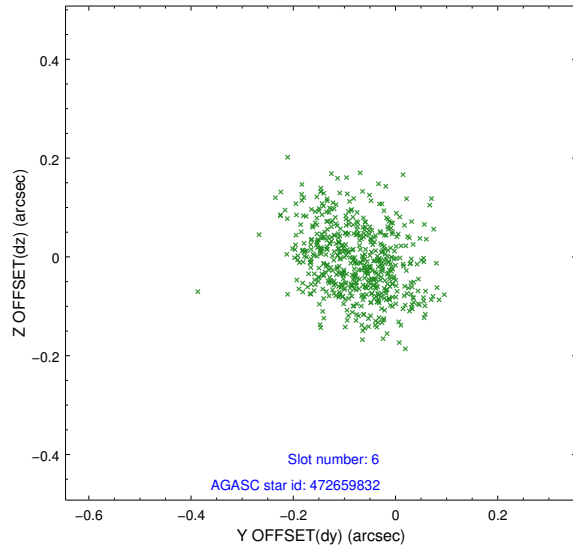
2.4.2 Slot 4



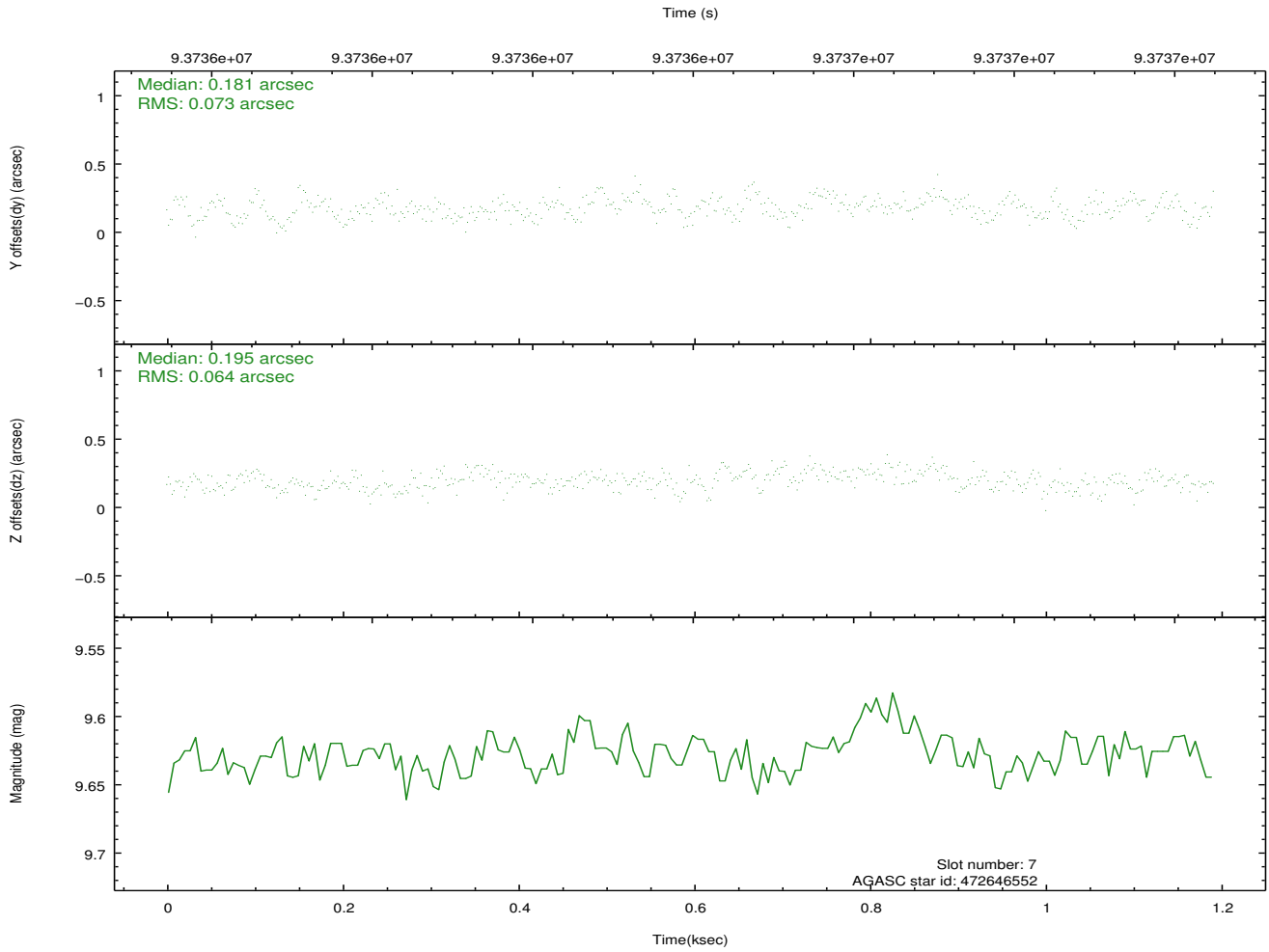
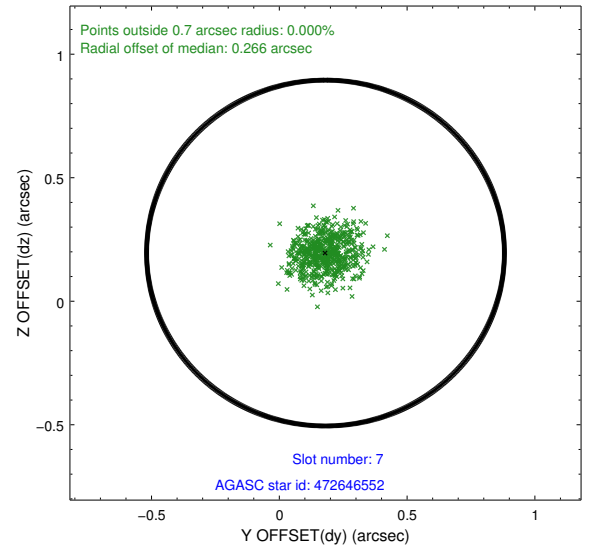
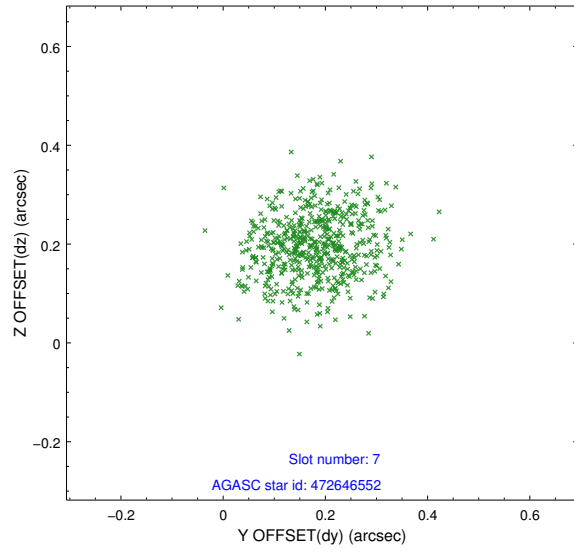
2.4.3 Slot 5



2.4.4 Slot 6

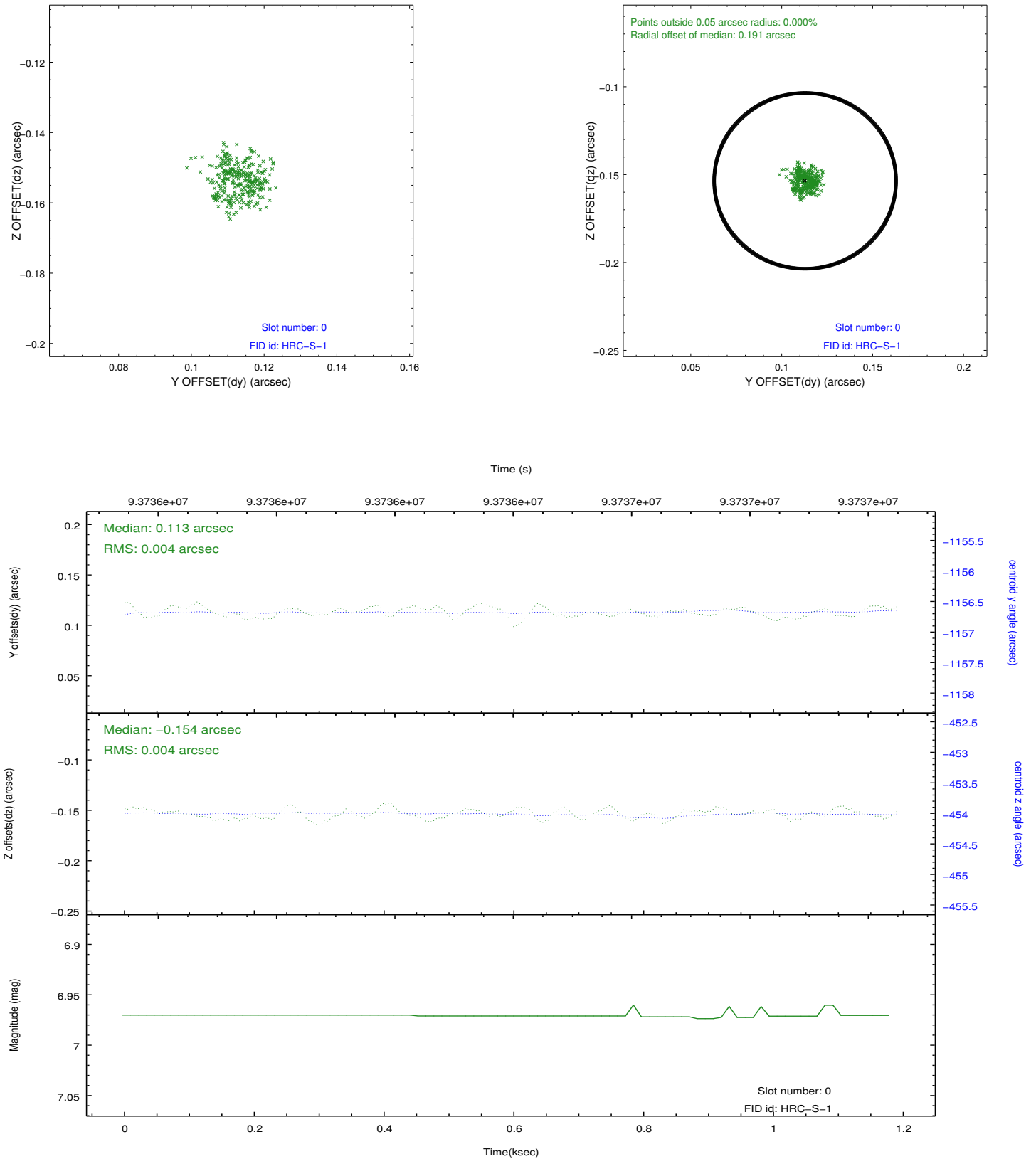


2.4.5 Slot 7

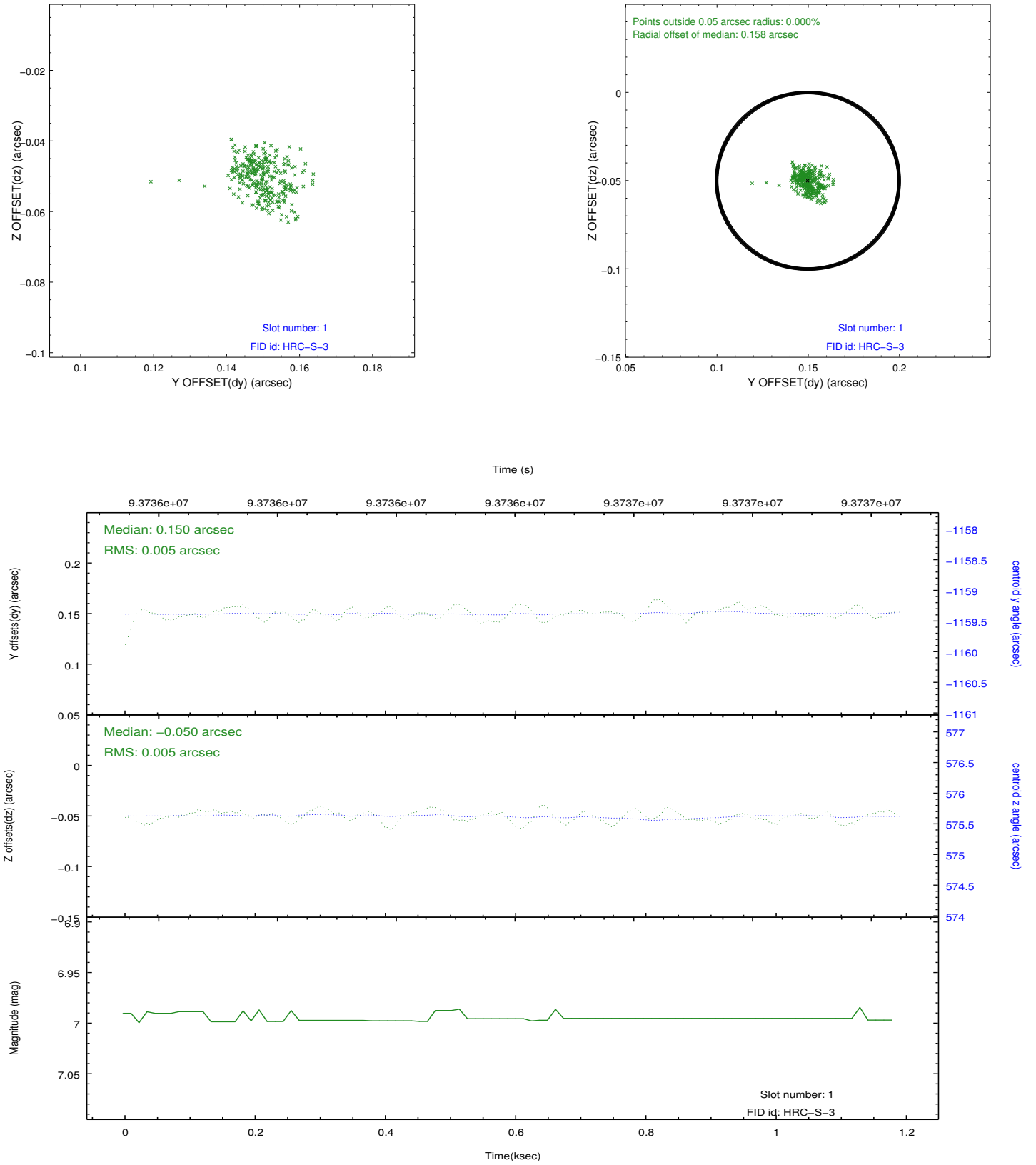


2.5 FID Slots

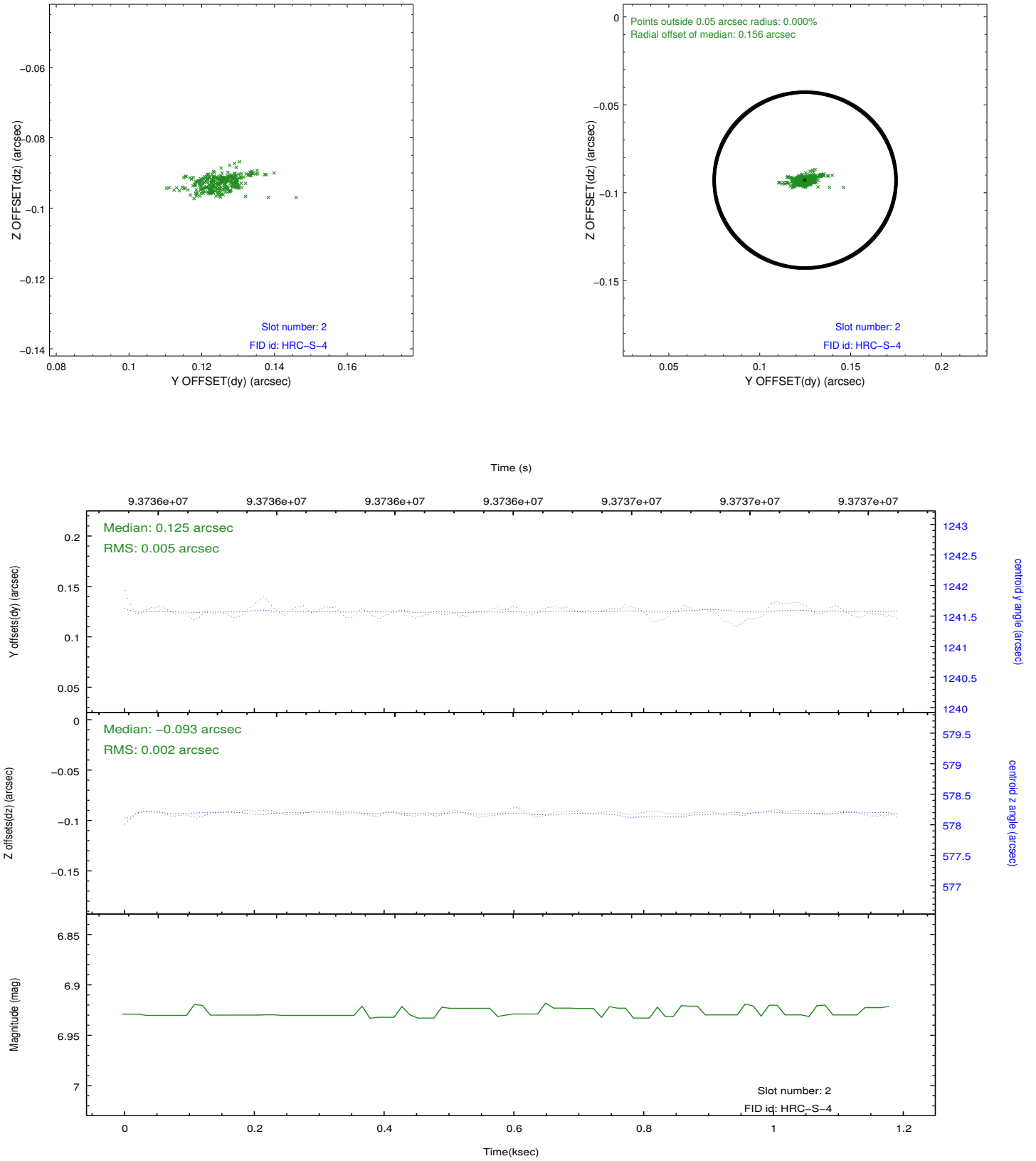
2.5.1 Slot 0



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)	2012.09.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.19

A.2 Comments

Charge time for this ObsId remains at previous value of 1.19 ks, although with the current processing the charge time would have been 1.14 ksec.