

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2446 - L2 Version 5
Chandra X-Ray Center

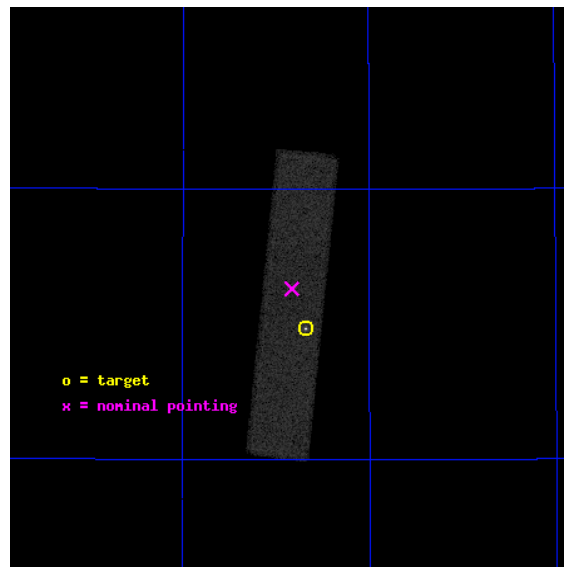
L2 Processing Date : Sep 18 2012

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

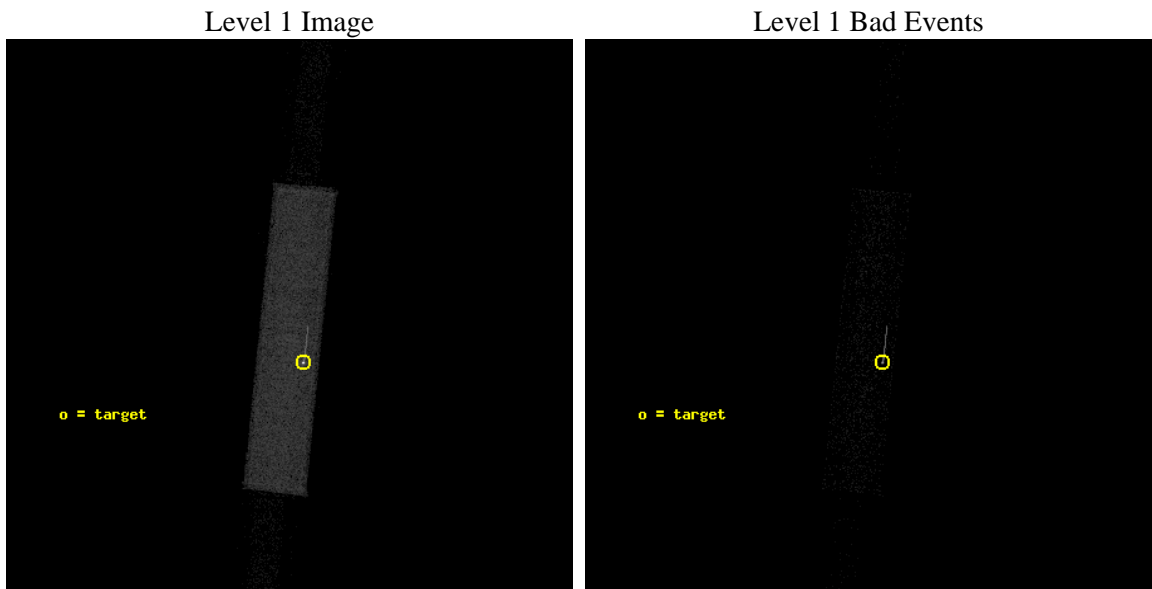
seq_num	290078	Sequence number
obs_id	2446	Observation id
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.20706221877	Nominal RA [deg]
dec_nom	45.815928833885	Nominal Dec [deg]
roll_nom	95.799480087851	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1376.8313034922	[s]
livetime	1368.4207956234	Ontime multiplied by DTCOR
l2events	63284	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	1234.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1376.8313034922	[s]
caldsver	4.5.1.1	 	l1events	96279	Number of level 1 events
date	2012-09-18T22:54:52	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

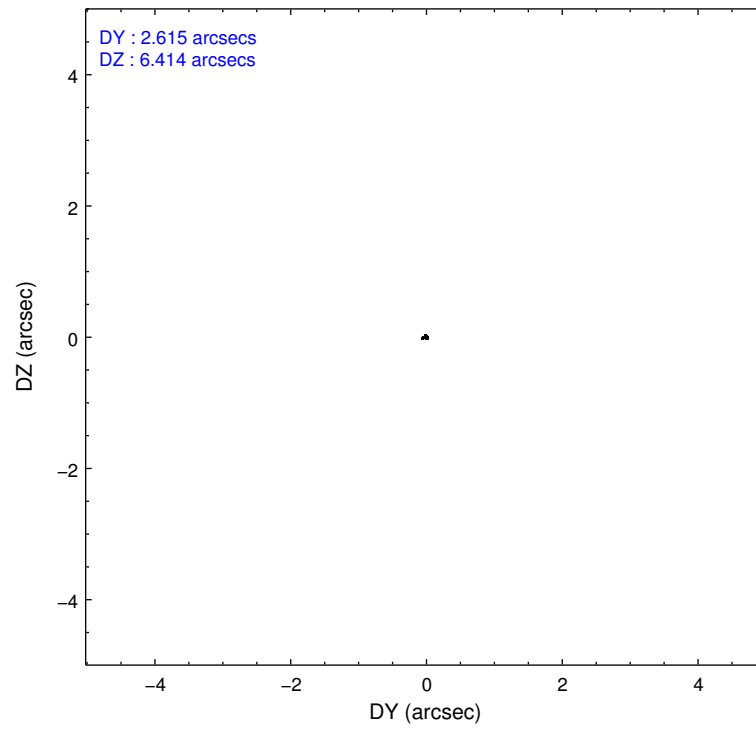
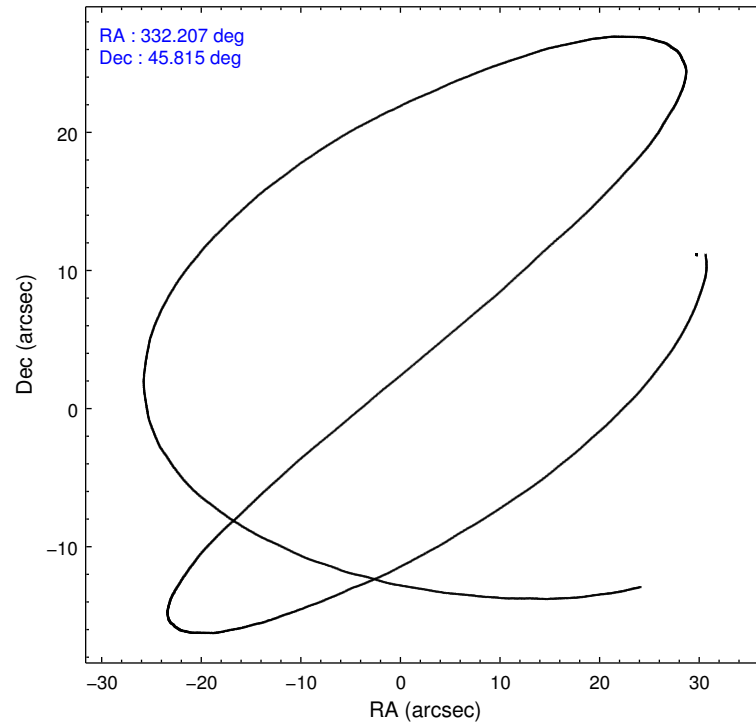
	segment 1	segment 2	segment 3
level 1 events	1532	93303	1444
rejected events	1532	18235	1444
rejected %	100%	19%	100%

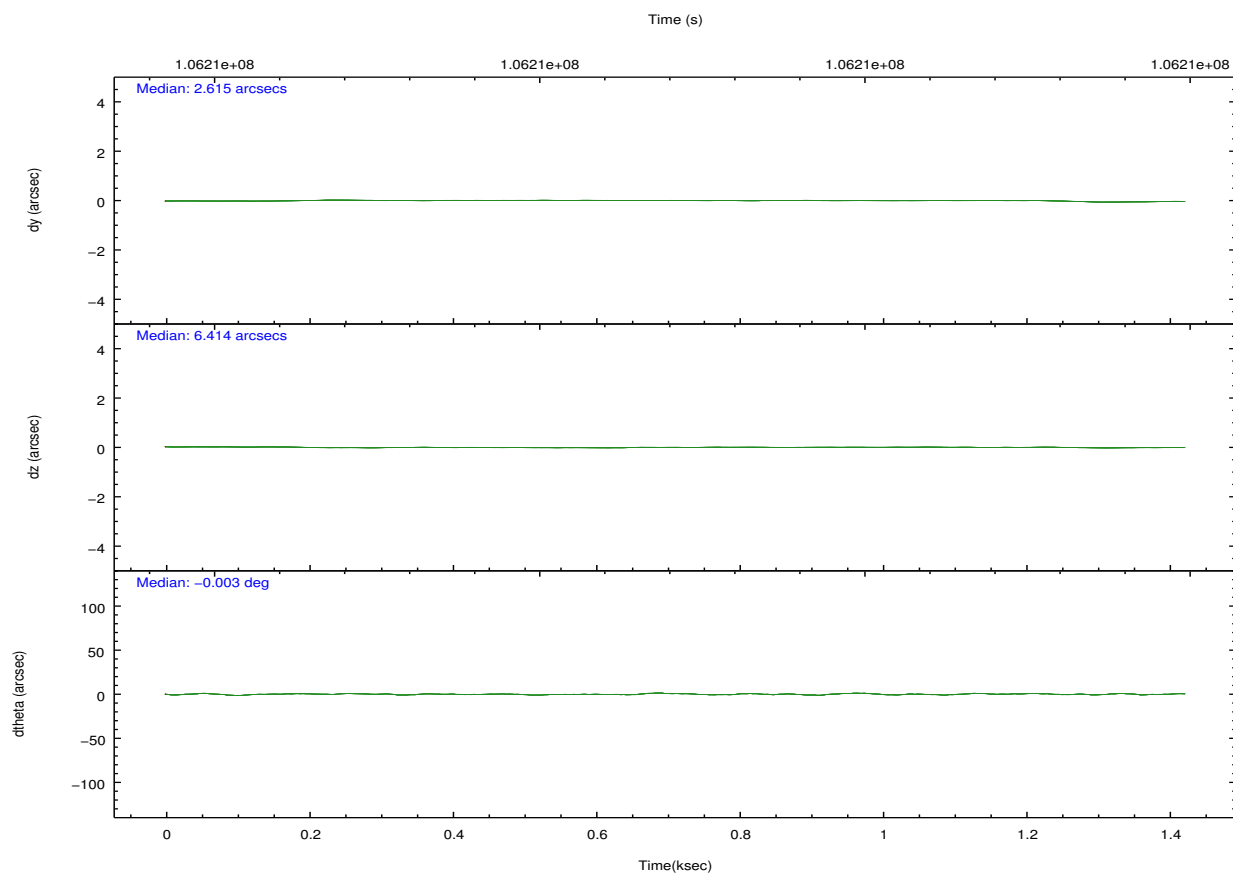
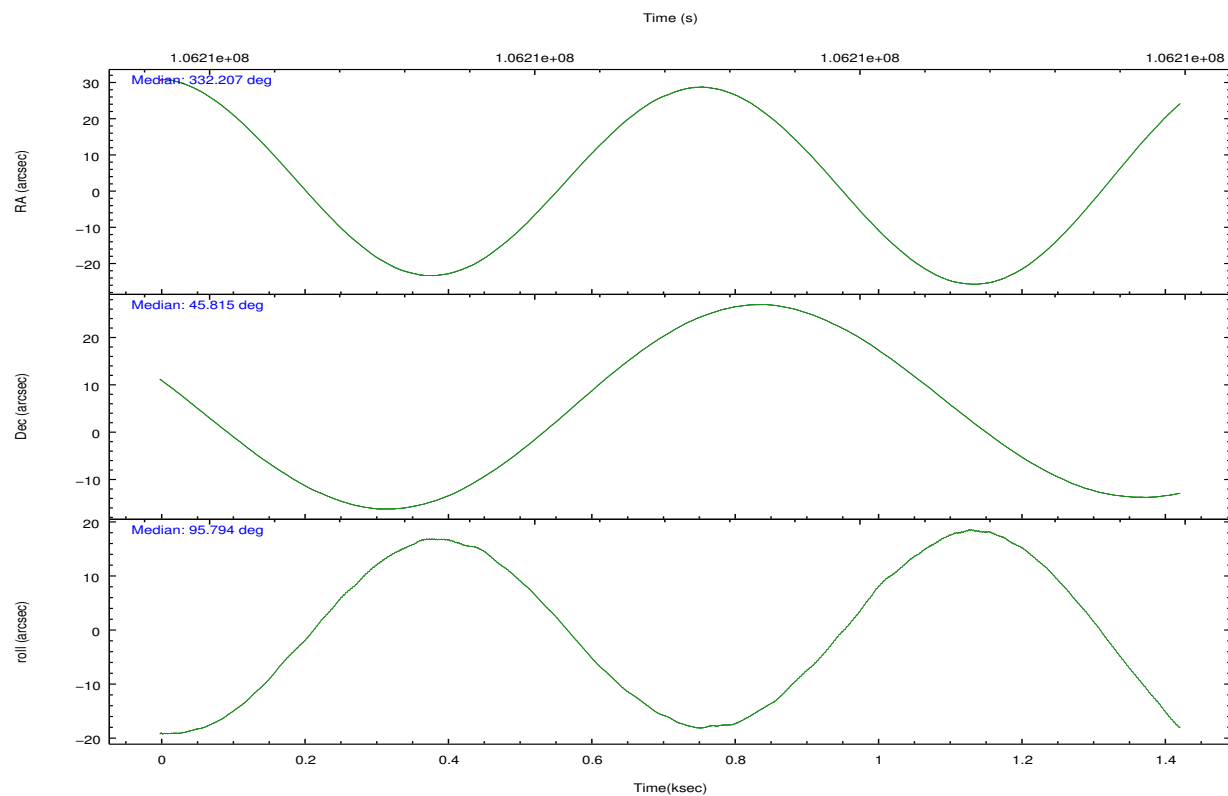
2.2 Compared Parameters

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	332.233109	332.2070622187669
[deg] Pointing Dec	45.794295	45.81592883388458
[deg] Pointing Roll	95.713481	95.79948008785071
[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)	106212683.184000	106212306.69613
Observation start date	2001-05-14T07:30:19	2001-05-14T07:25:06
[s] Observation end time (MET)	106213917.184000	106214050.7337
Observation end date	2001-05-14T07:50:53	2001-05-14T07:54:10

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

2.3 Aspect



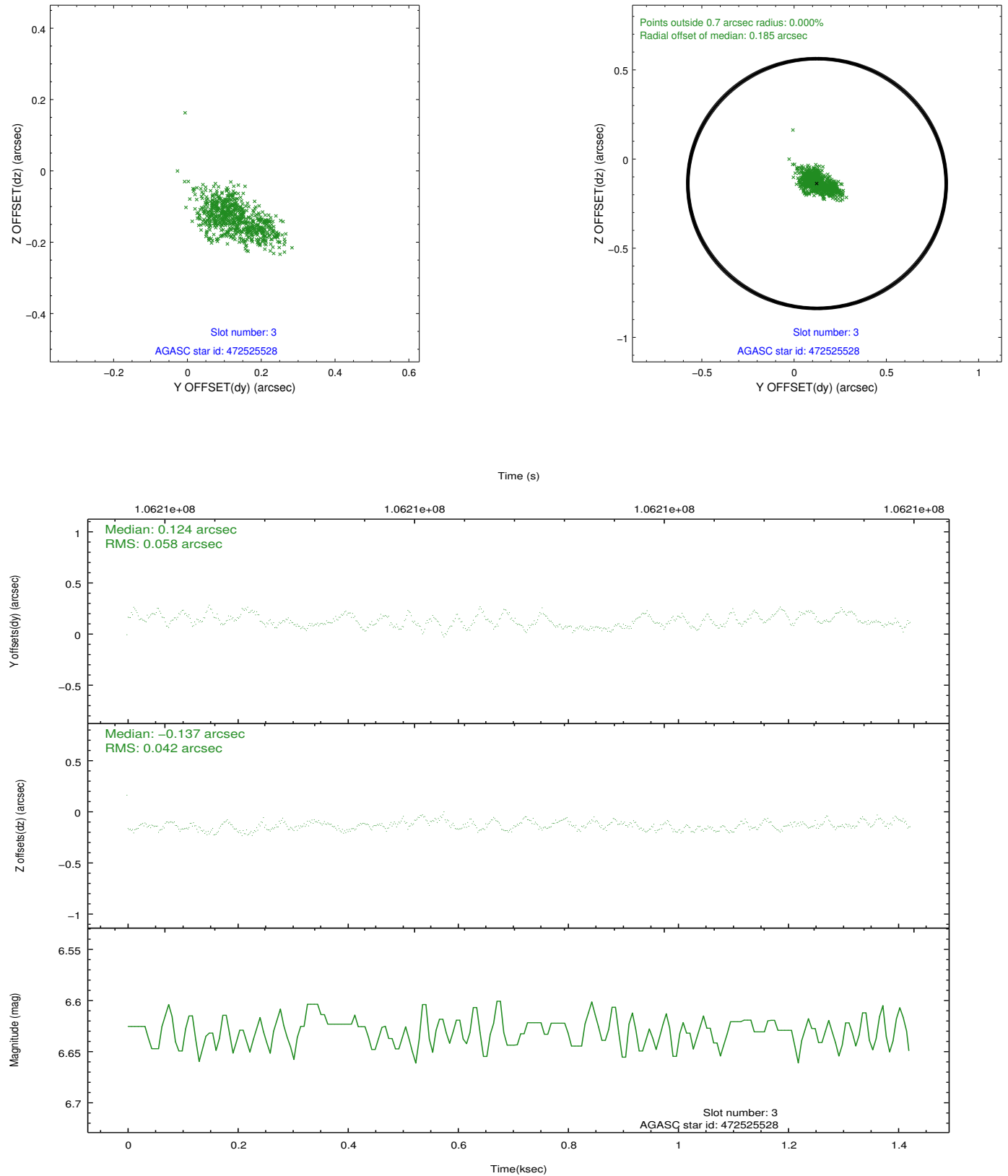


Slot Statistics

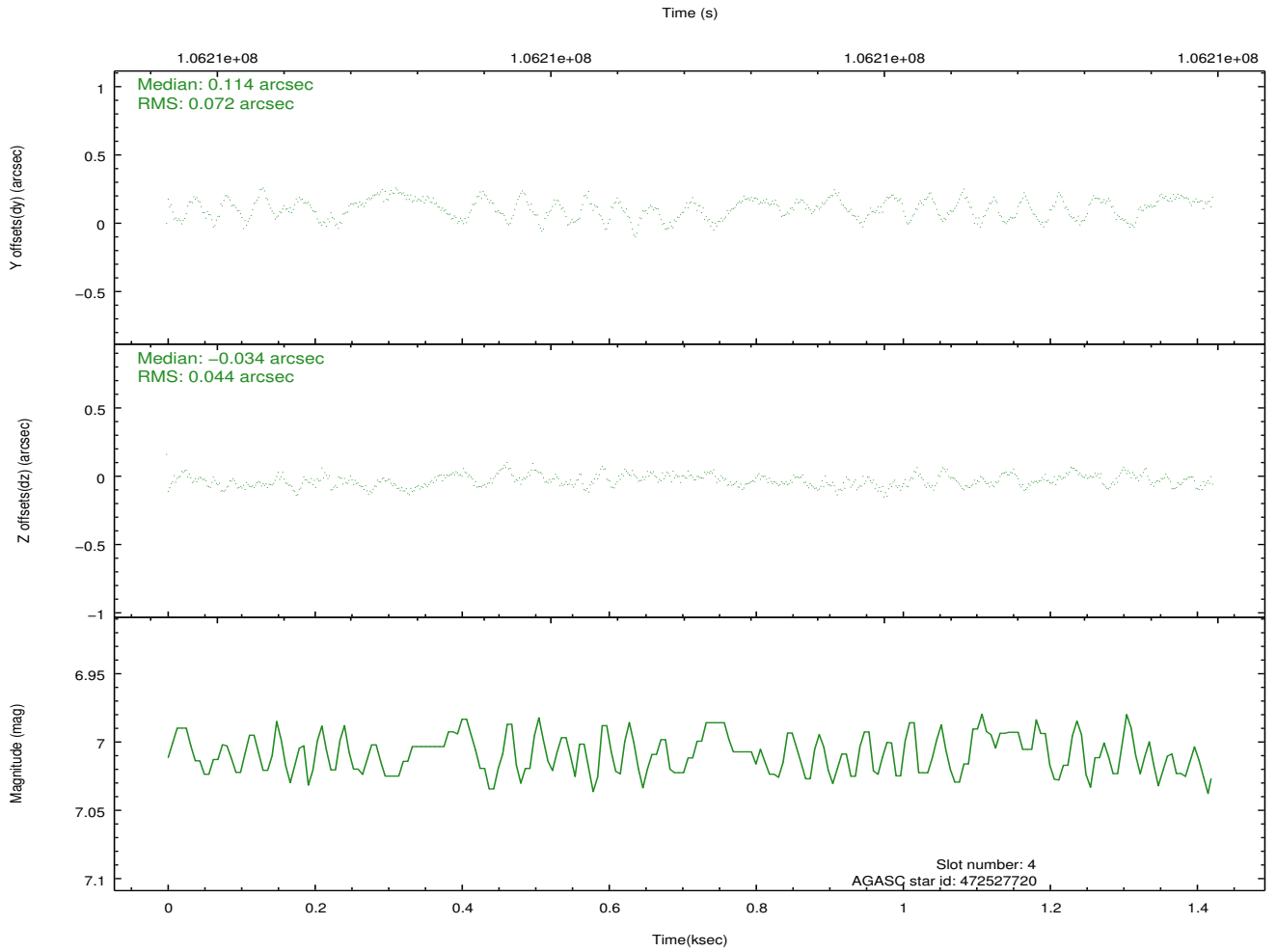
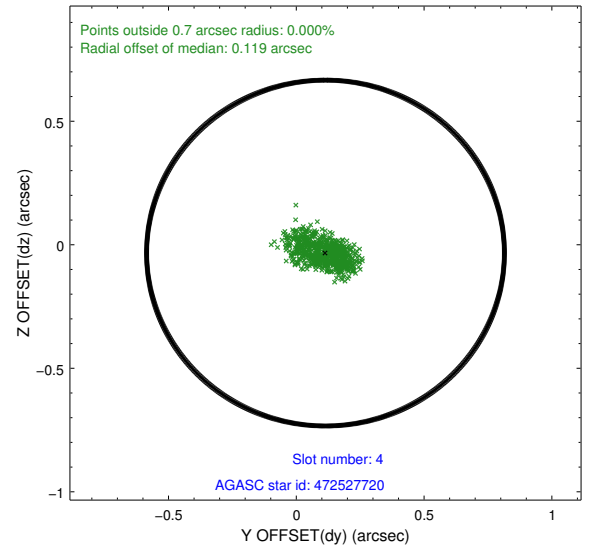
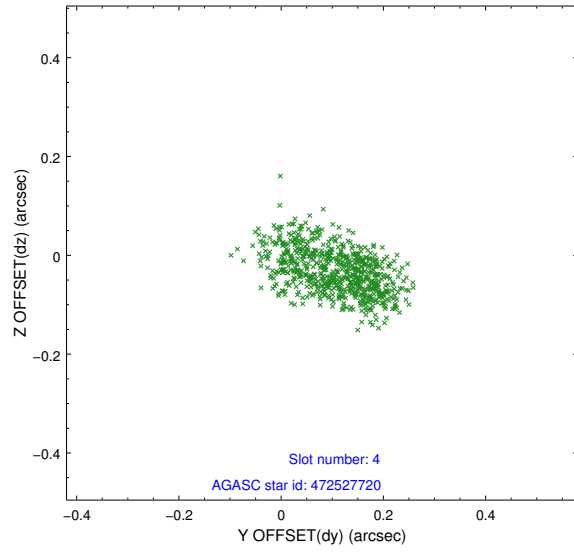
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.98	348	0.136	-0.109	0.005	0.009	0.000000	0.000000	-1156.64	-454.92
1	FID	HRC-S-2	6.98	348	0.120	-0.099	0.004	0.008	0.000000	0.000000	1239.70	-448.87
2	FID	HRC-S-3	7.00	348	0.134	-0.094	0.006	0.009	0.000000	0.000000	-1155.80	573.33
3	GUIDE	472525528	6.63	695	0.124	-0.137	0.076	0.125	331.551102	45.248694	-1772.70	1912.35
4	GUIDE	472527720	7.01	695	0.114	-0.034	0.092	0.143	331.460205	45.112509	-2237.67	2197.71
5	GUIDE	472535576	7.85	695	-0.185	-0.094	0.045	0.078	331.438373	46.291802	1987.63	1789.01
6	GUIDE	472523760	8.24	695	0.072	0.002	0.054	0.094	331.645363	45.403260	-1242.25	1618.14
7	GUIDE	472665256	9.00	694	-0.119	0.257	0.074	0.118	332.808125	46.195041	1298.70	-1569.39

2.4 Star Slots

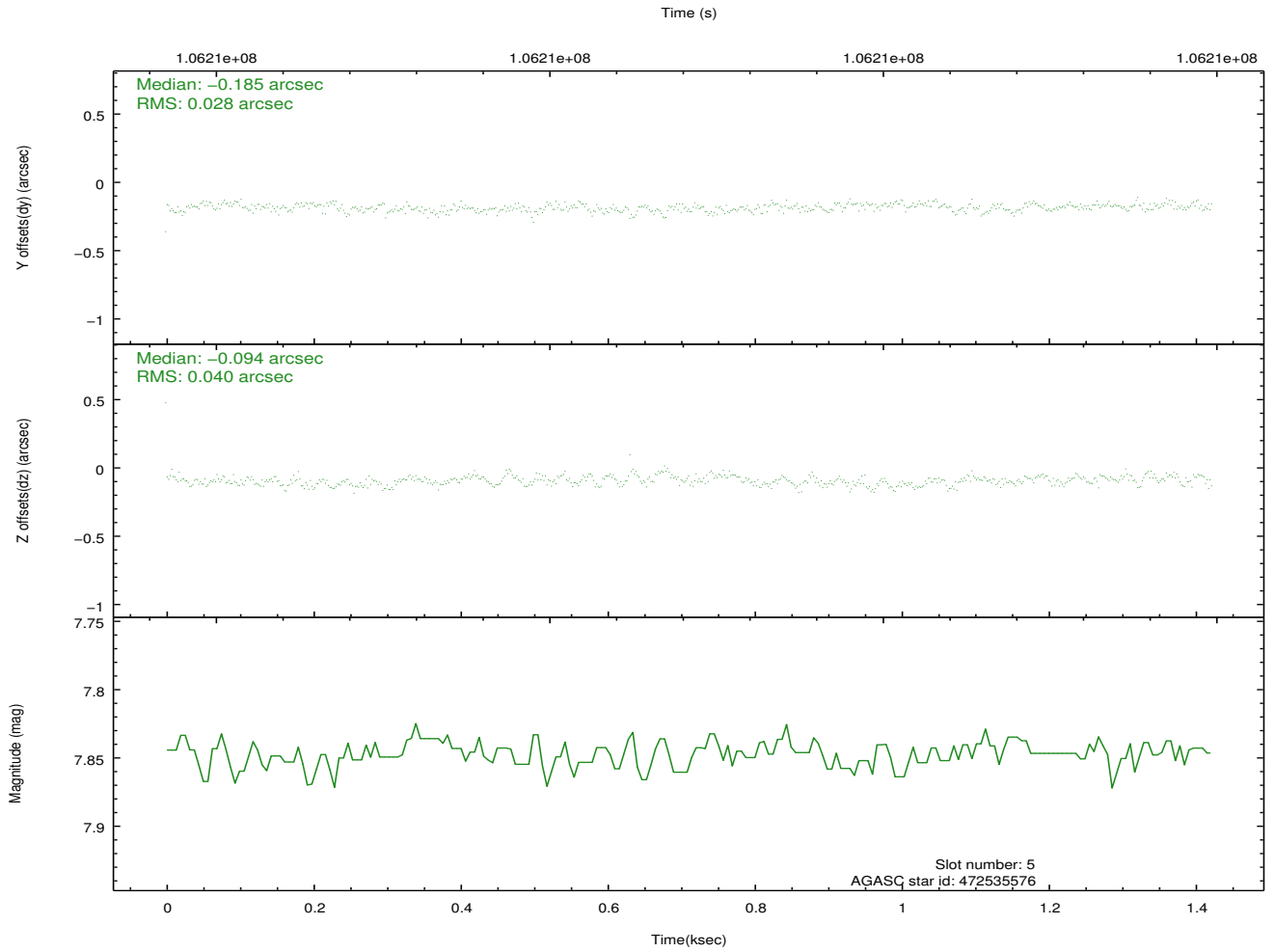
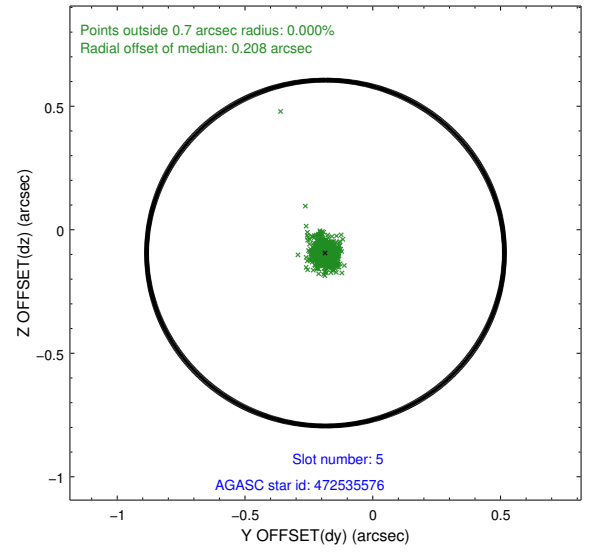
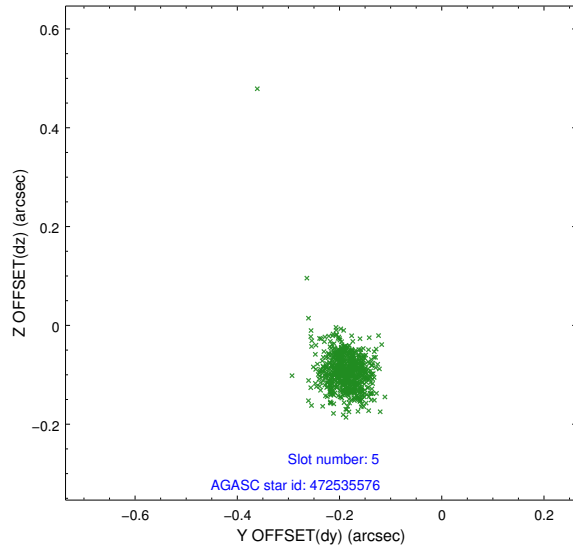
2.4.1 Slot 3



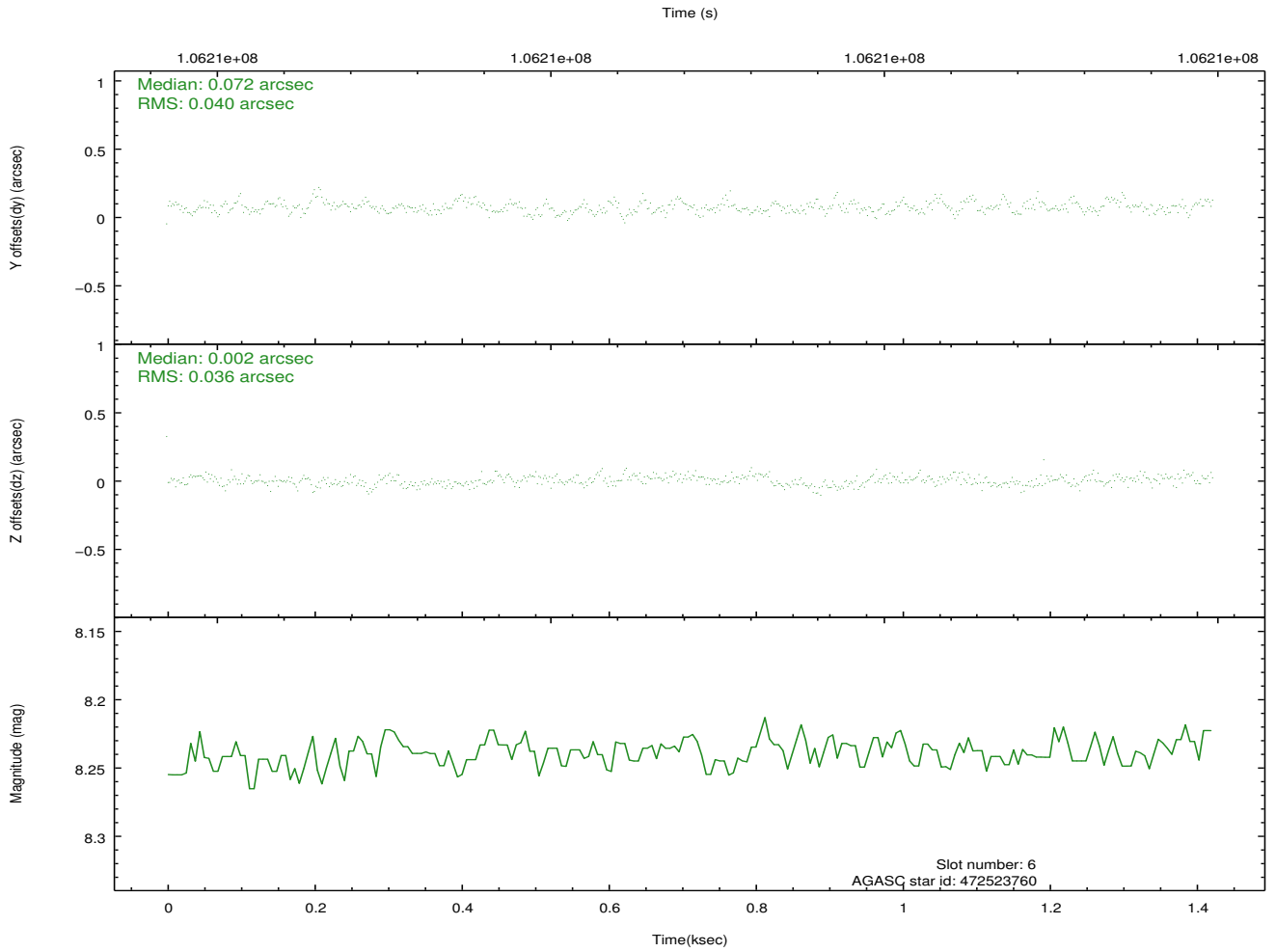
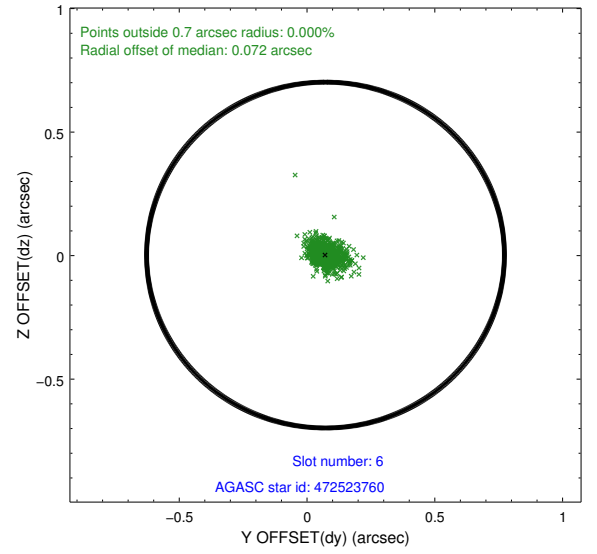
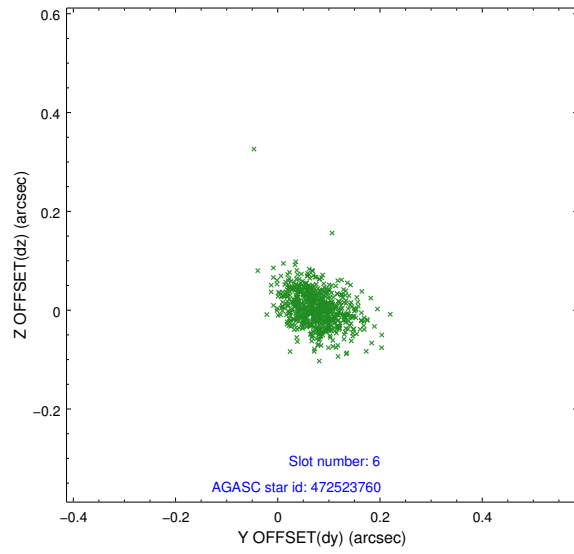
2.4.2 Slot 4



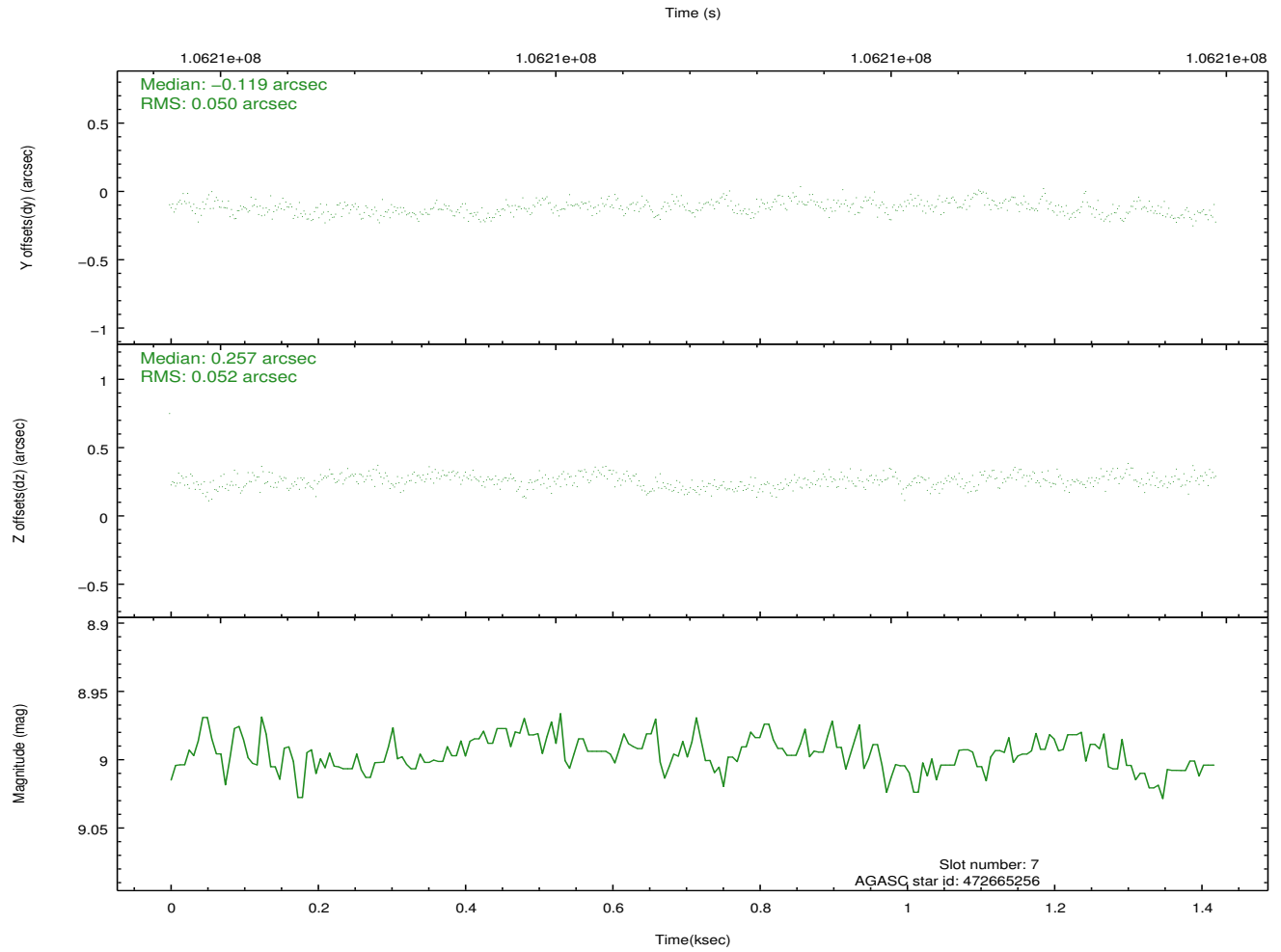
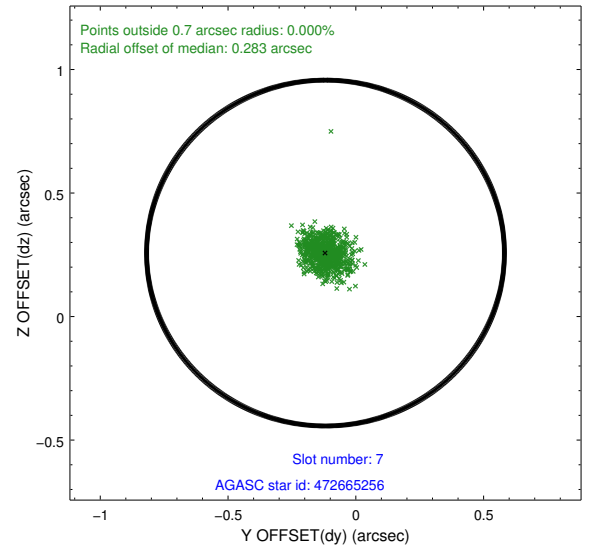
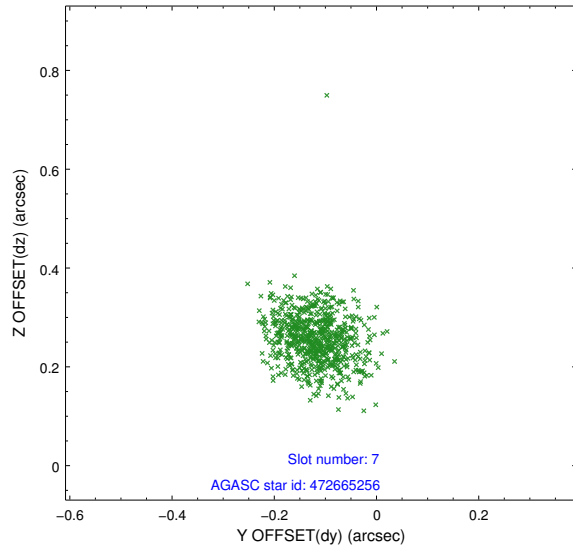
2.4.3 Slot 5



2.4.4 Slot 6

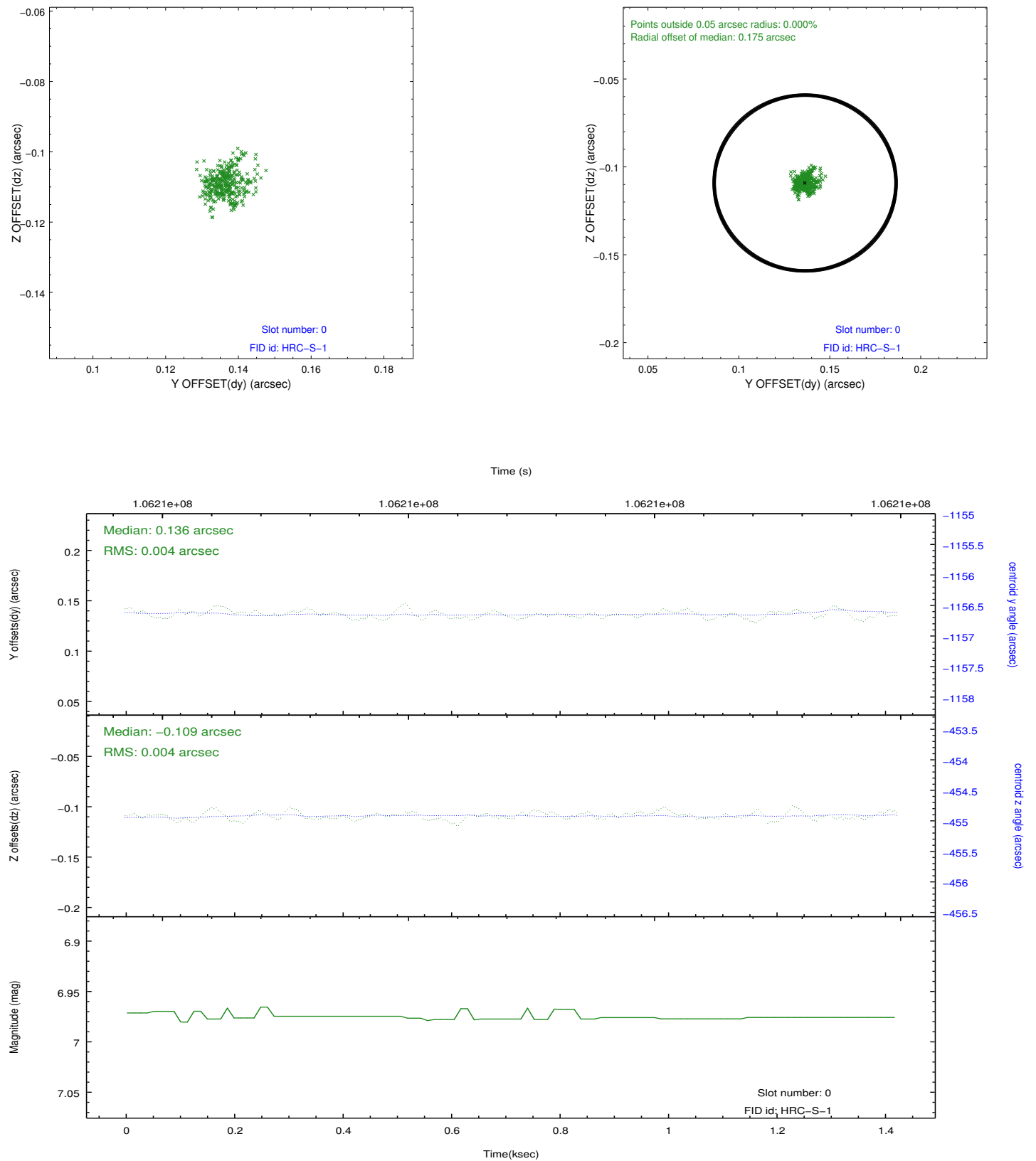


2.4.5 Slot 7

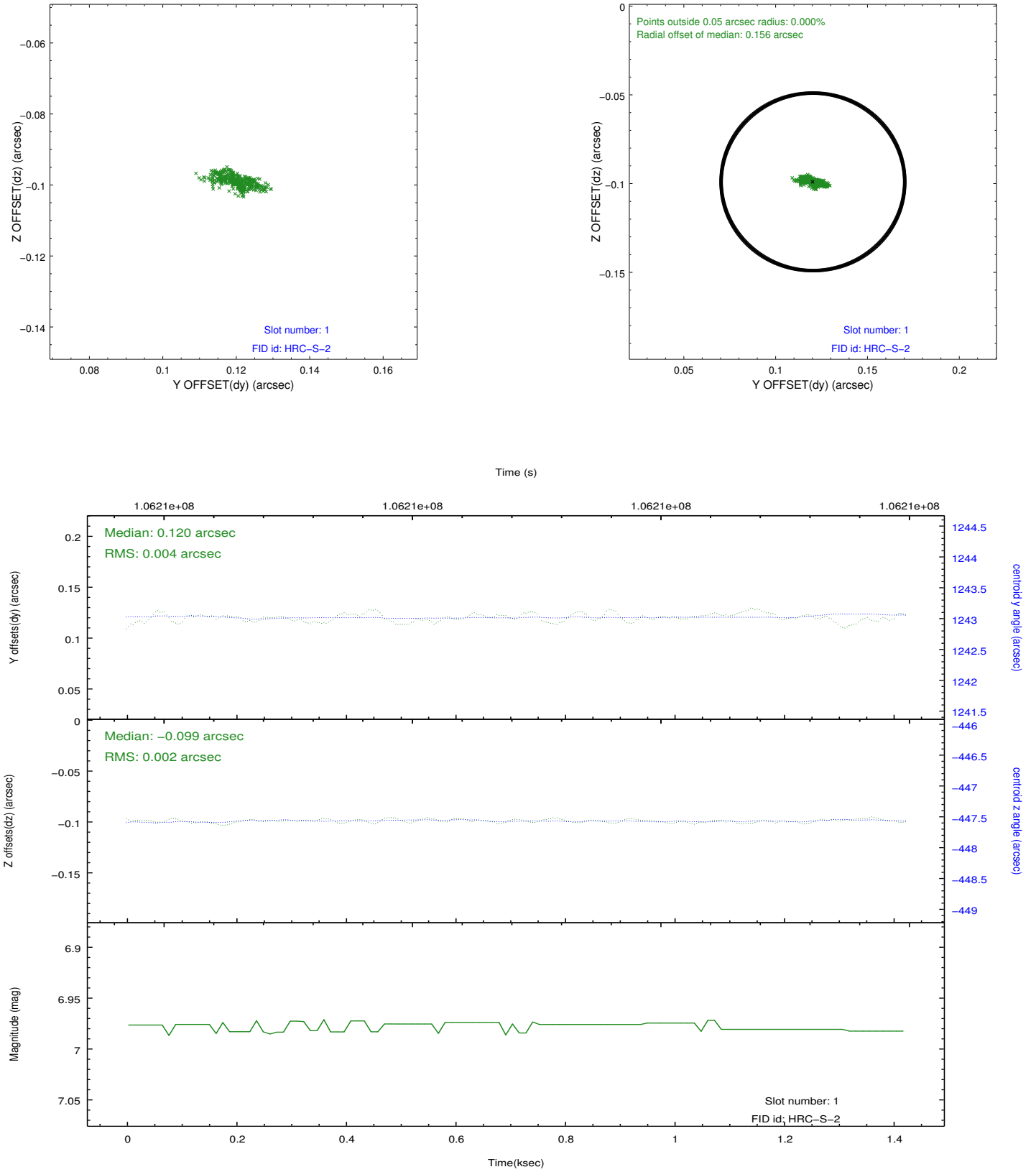


2.5 FID Slots

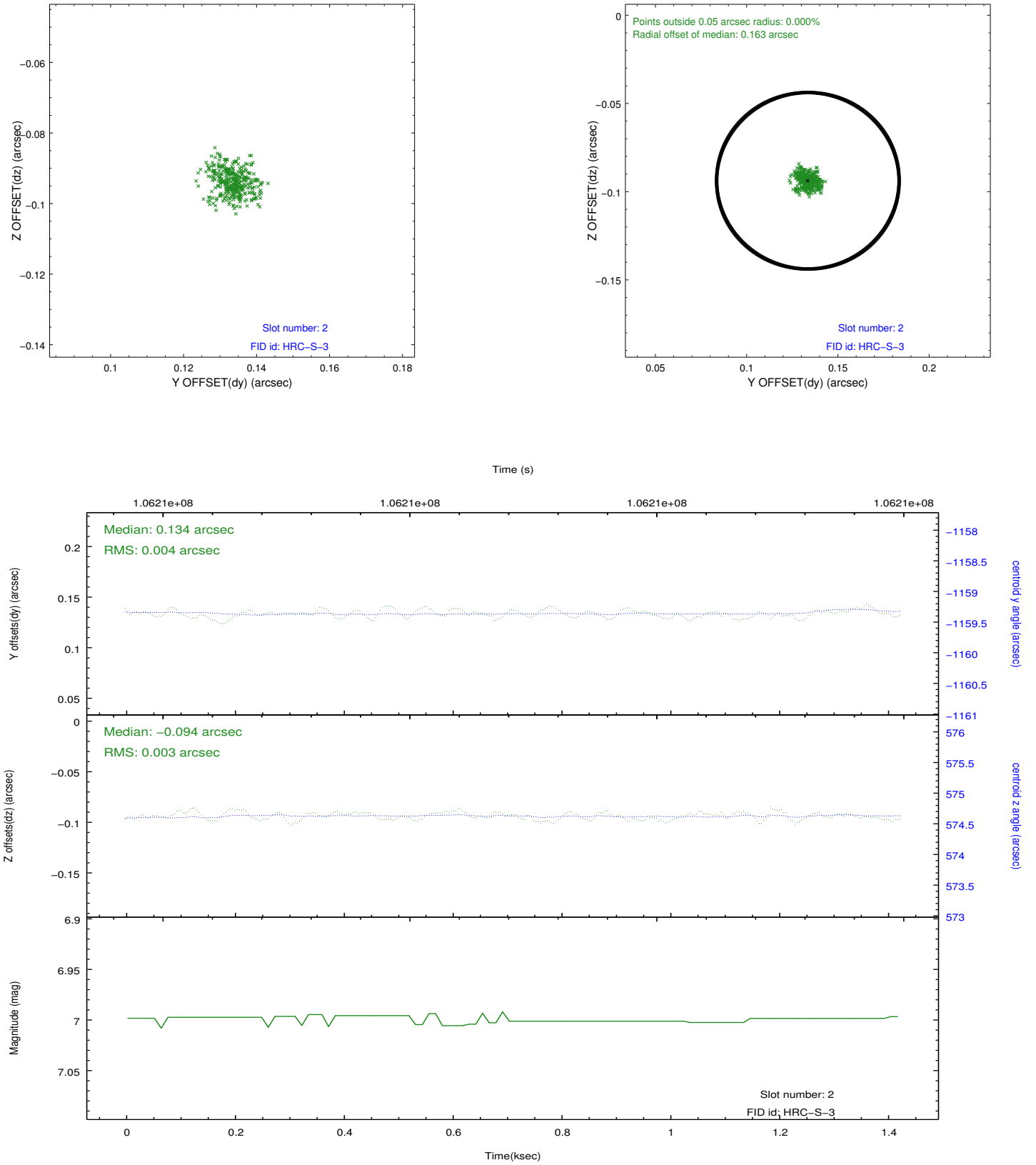
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.09.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.415

A.2 Comments

Charge time for this observation remains at previous value of 1.415 ksec.