

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2627 - L2 Version 3
Chandra X-Ray Center

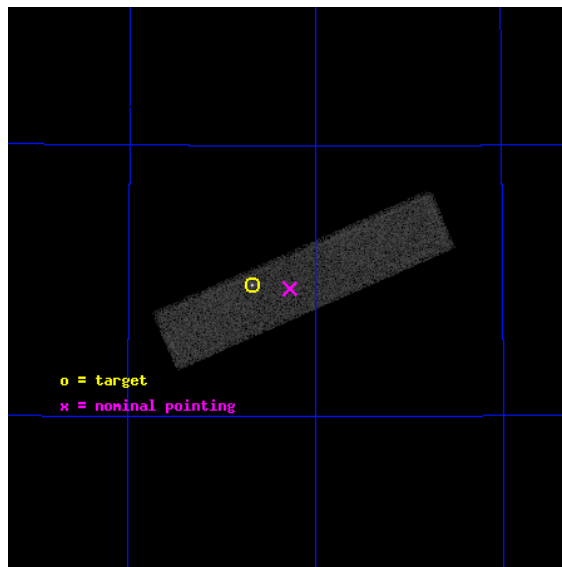
L2 Processing Date : Oct 1 2012

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

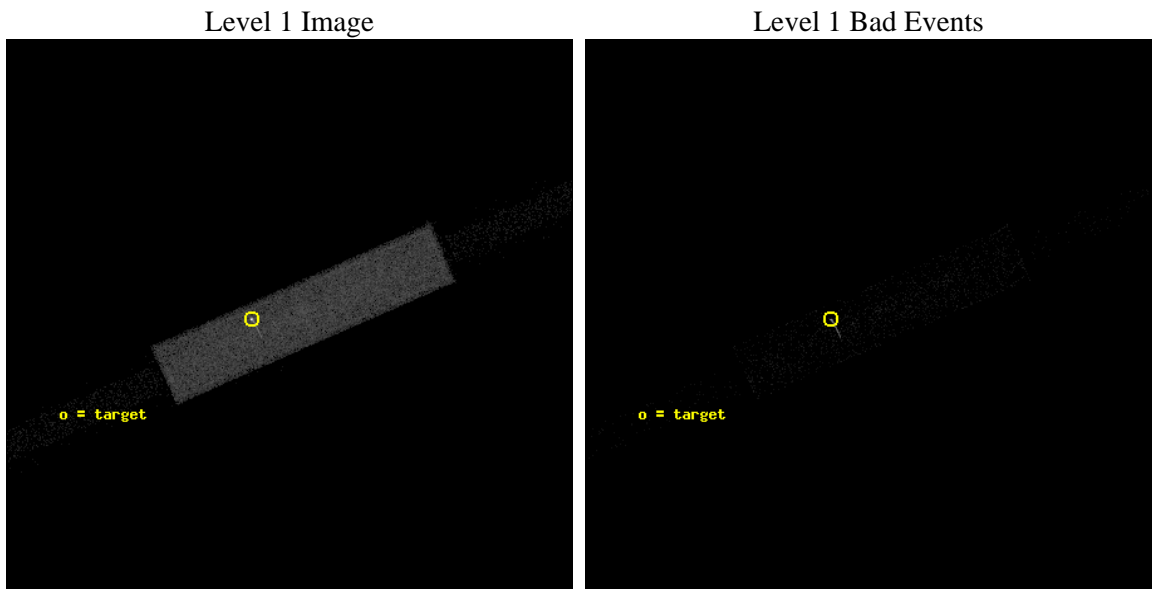
seq_num	290183	Sequence number
obs_id	2627	Observation id
title	AO3A HRC-S CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC	Proposal ti
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.06859249726	Nominal RA [deg]
dec_nom	45.735760543019	Nominal Dec [deg]
roll_nom	336.30134585744	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1142.1062960178	[s]
livetime	1135.4366546728	Ontime multiplied by DTCOR
l2events	45864	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1142.1062960178	[s]
caldsver	4.5.2	 	l1events	75519	Number of level 1 events
date	2012-10-01T03:02:25	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

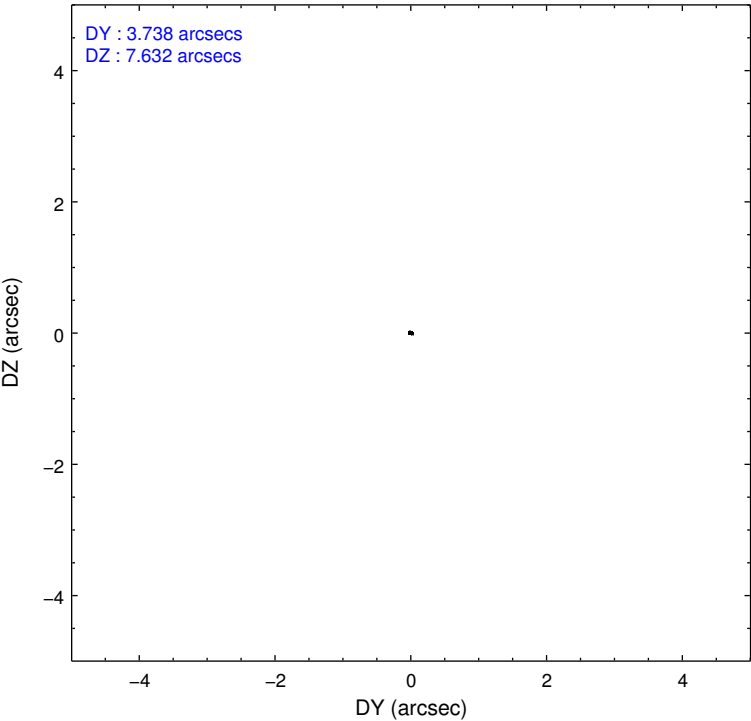
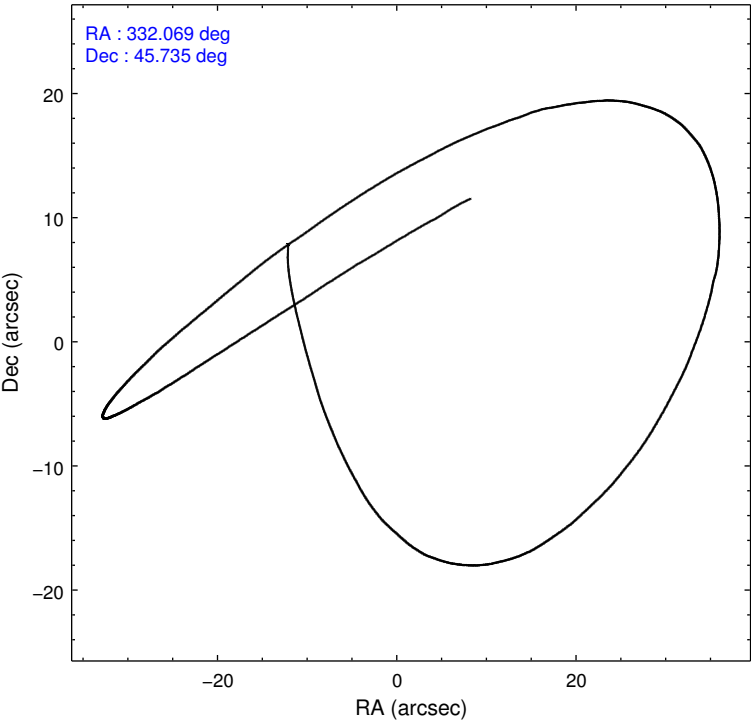
Level 1 Events

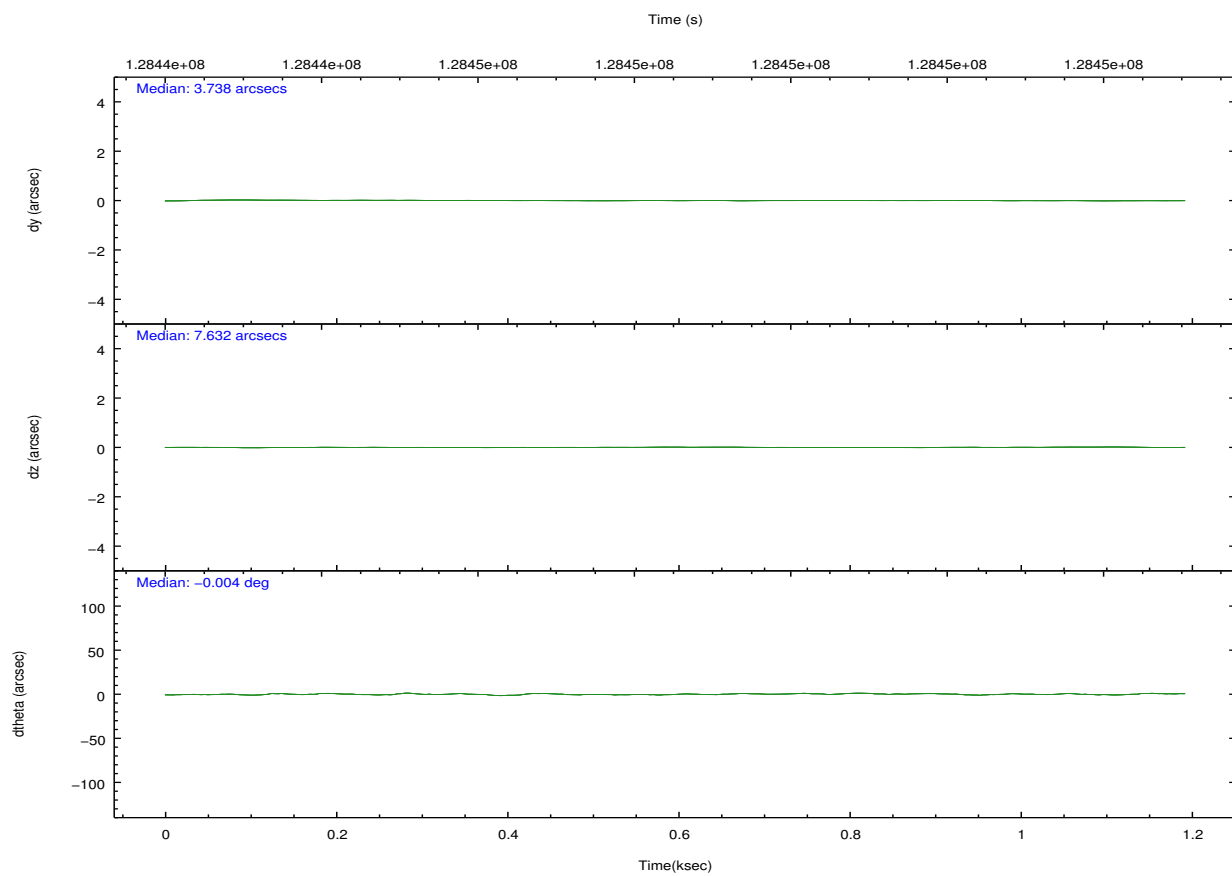
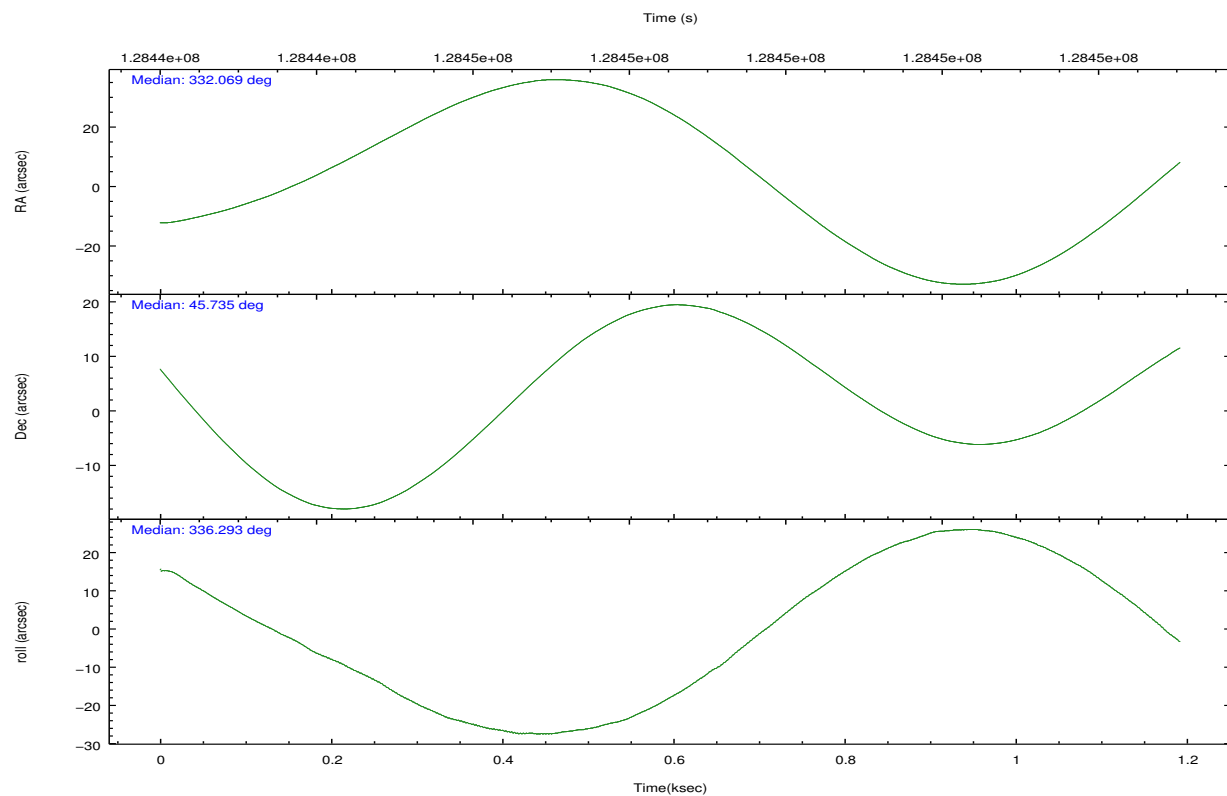
	segment 1	segment 2	segment 3
level 1 events	1478	72601	1440
rejected events	1478	16777	1440
rejected %	100%	23%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.028934	332.0685924972641			
[deg] Pointing Dec	45.732161	45.73576054301925			
[deg] Pointing Roll	336.262435	336.3013458574362			
[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)	128445047.184000	128444671.35092			
Observation start date	2002-01-26T15:09:43	2002-01-26T15:04:31			
[s] Observation end time (MET)	128446047.184000	128446181.17598			
Observation end date	2002-01-26T15:26:23	2002-01-26T15:29:41			

2.3 Aspect



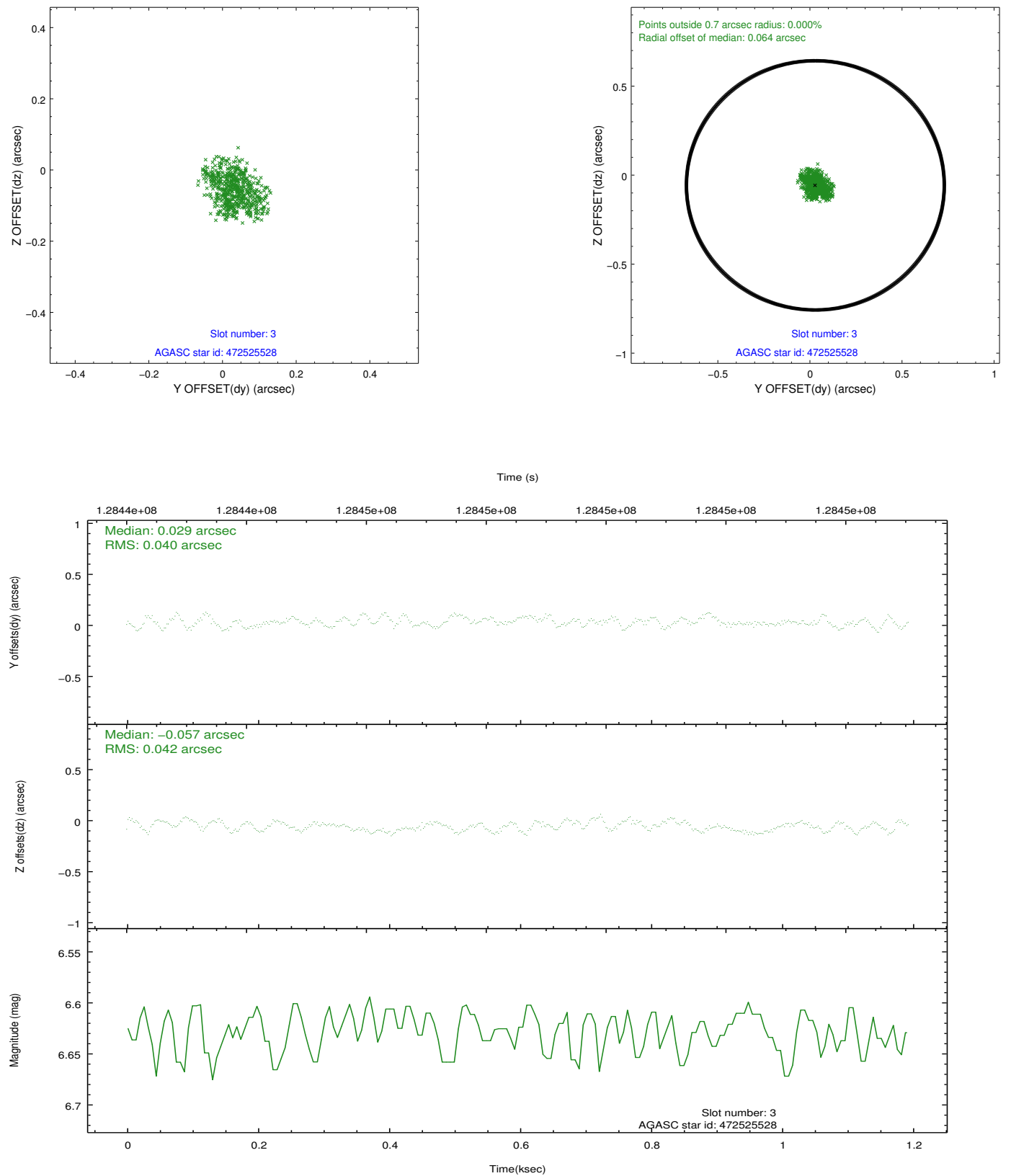


Slot Statistics

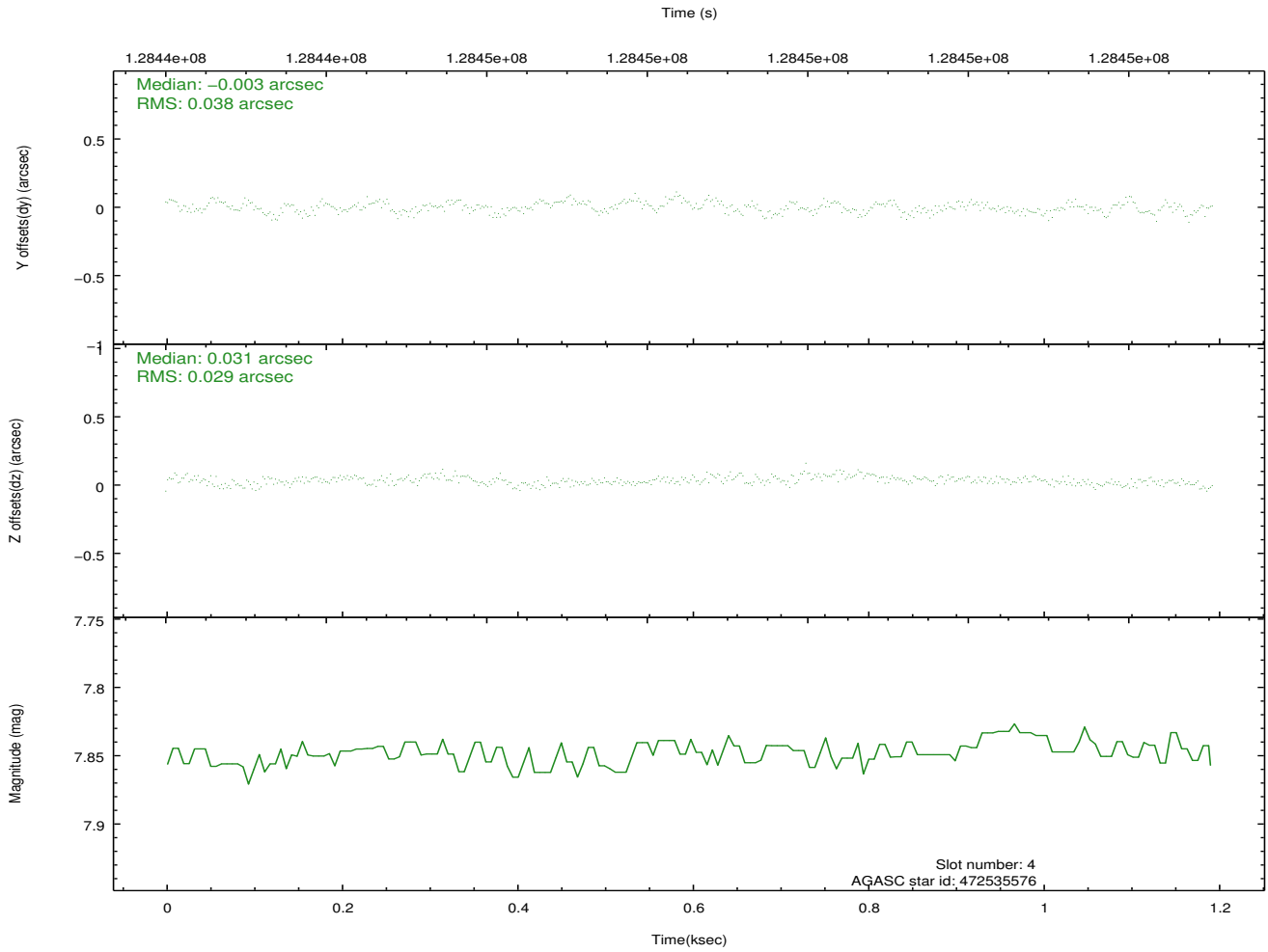
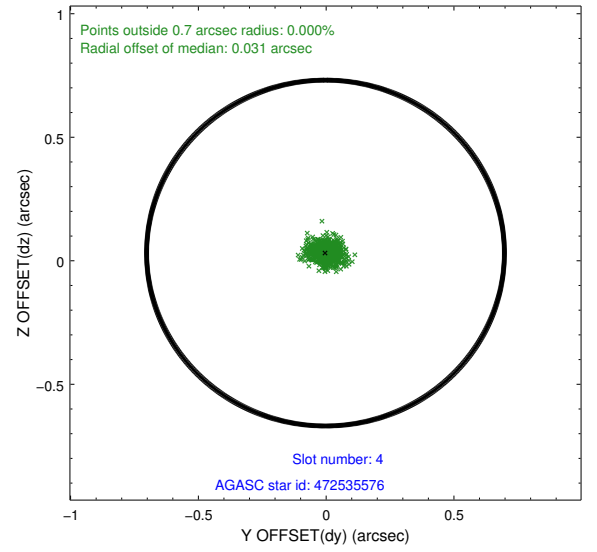
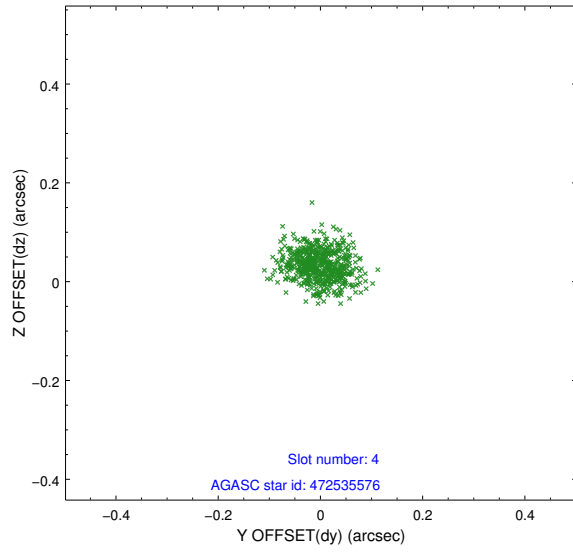
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	291	0.152	-0.085	0.007	0.013	0.000000	0.000000	-1157.77	-456.18
1	FID	HRC-S-2	6.99	291	0.075	-0.087	0.005	0.009	0.000000	0.000000	1237.85	-450.36
2	FID	HRC-S-3	7.01	291	0.163	-0.130	0.007	0.013	0.000000	0.000000	-1156.24	571.76
3	GUIDE	472525528	6.63	583	0.029	-0.057	0.063	0.095	331.551102	45.248694	-409.72	-2073.85
4	GUIDE	472535576	7.85	583	-0.003	0.031	0.052	0.084	331.438373	46.291802	-2159.49	1257.80
5	GUIDE	472536328	8.13	583	-0.043	0.100	0.057	0.093	331.496671	46.454831	-2262.15	1859.86
6	GUIDE	472665256	9.02	583	-0.050	-0.065	0.098	0.145	332.808125	46.195041	1098.00	2322.72
7	GUIDE	472654568	9.44	582	0.057	-0.017	0.091	0.149	332.194449	45.063576	1355.68	-2025.58

2.4 Star Slots

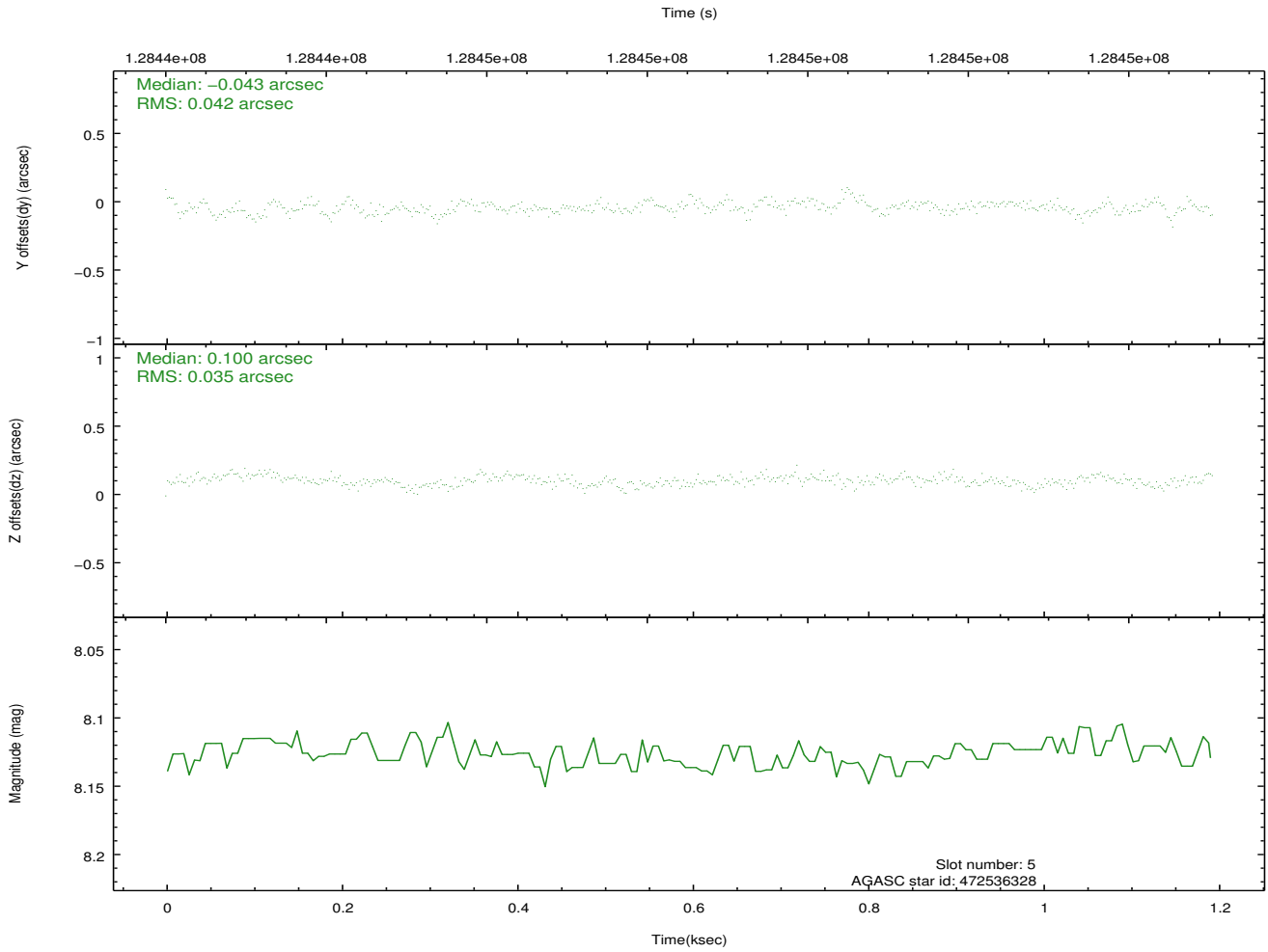
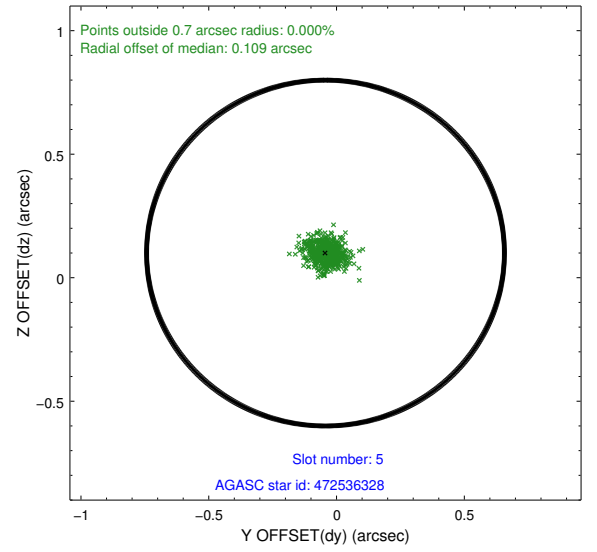
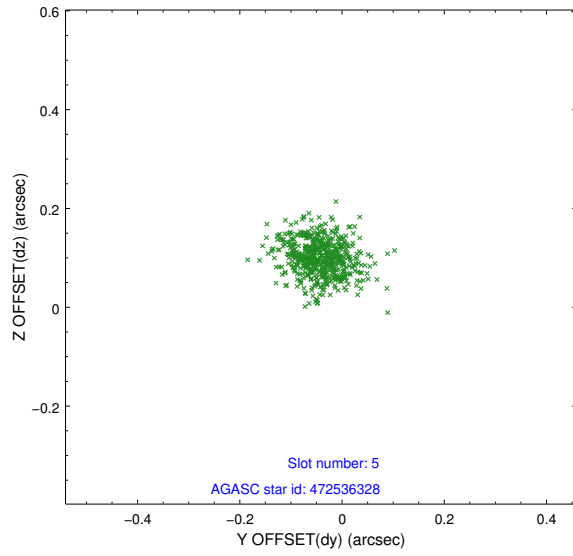
2.4.1 Slot 3



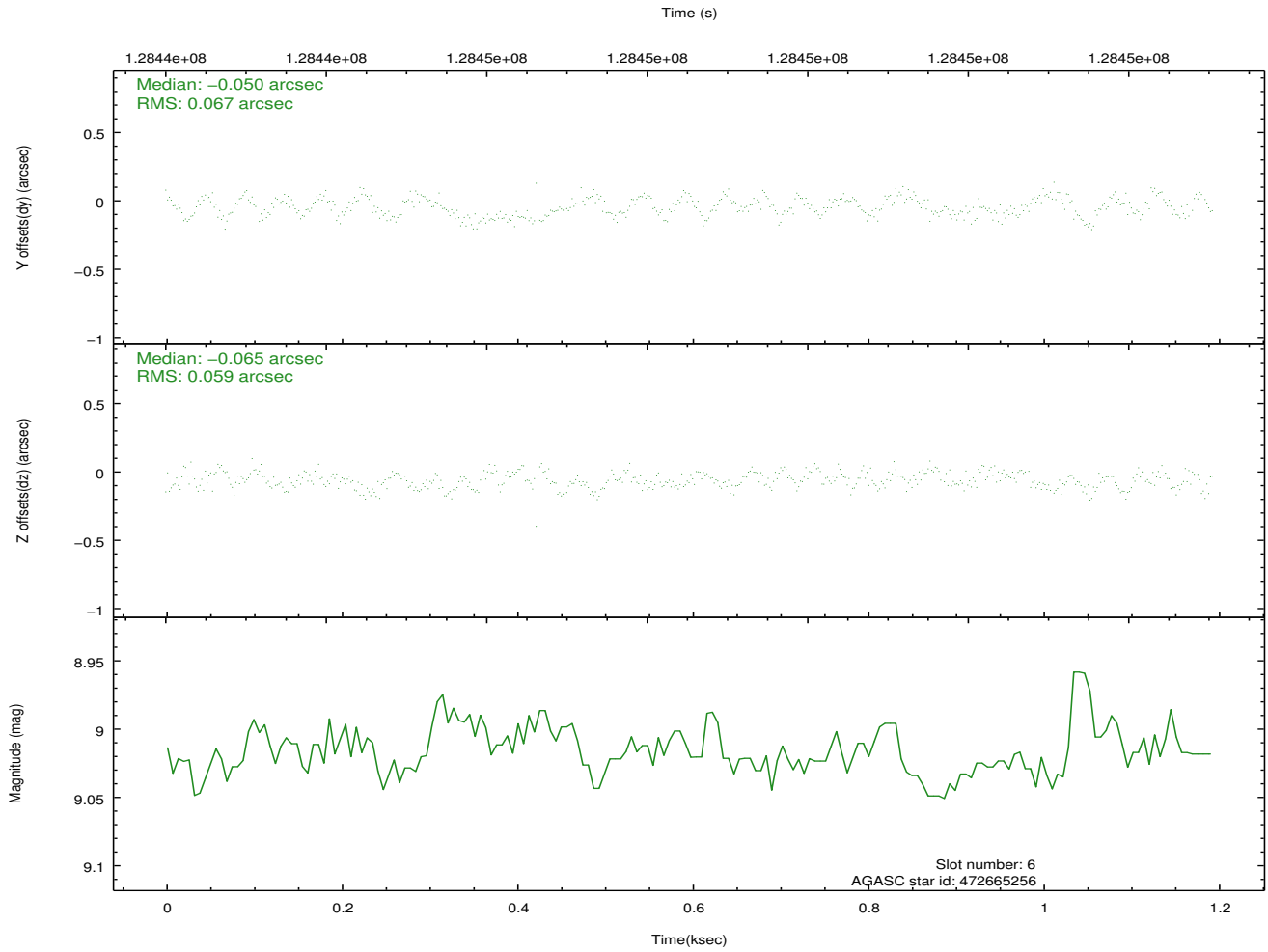
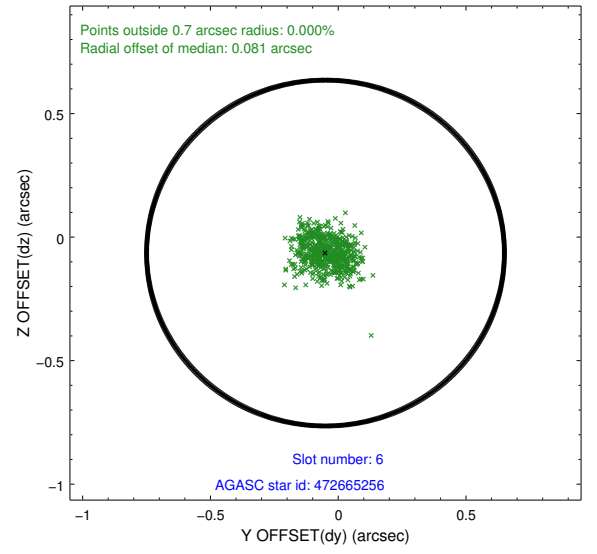
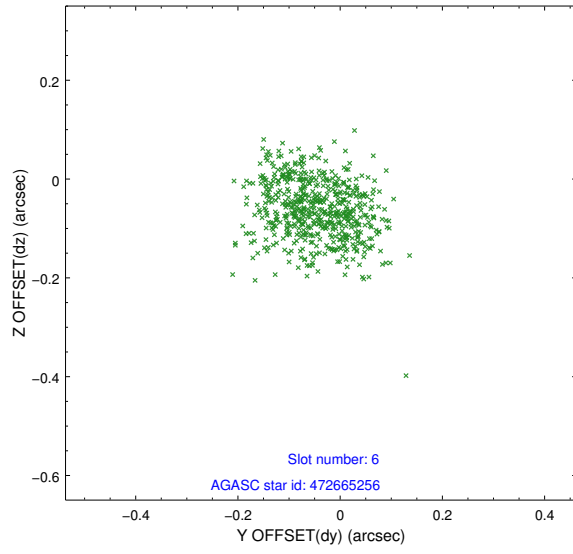
2.4.2 Slot 4



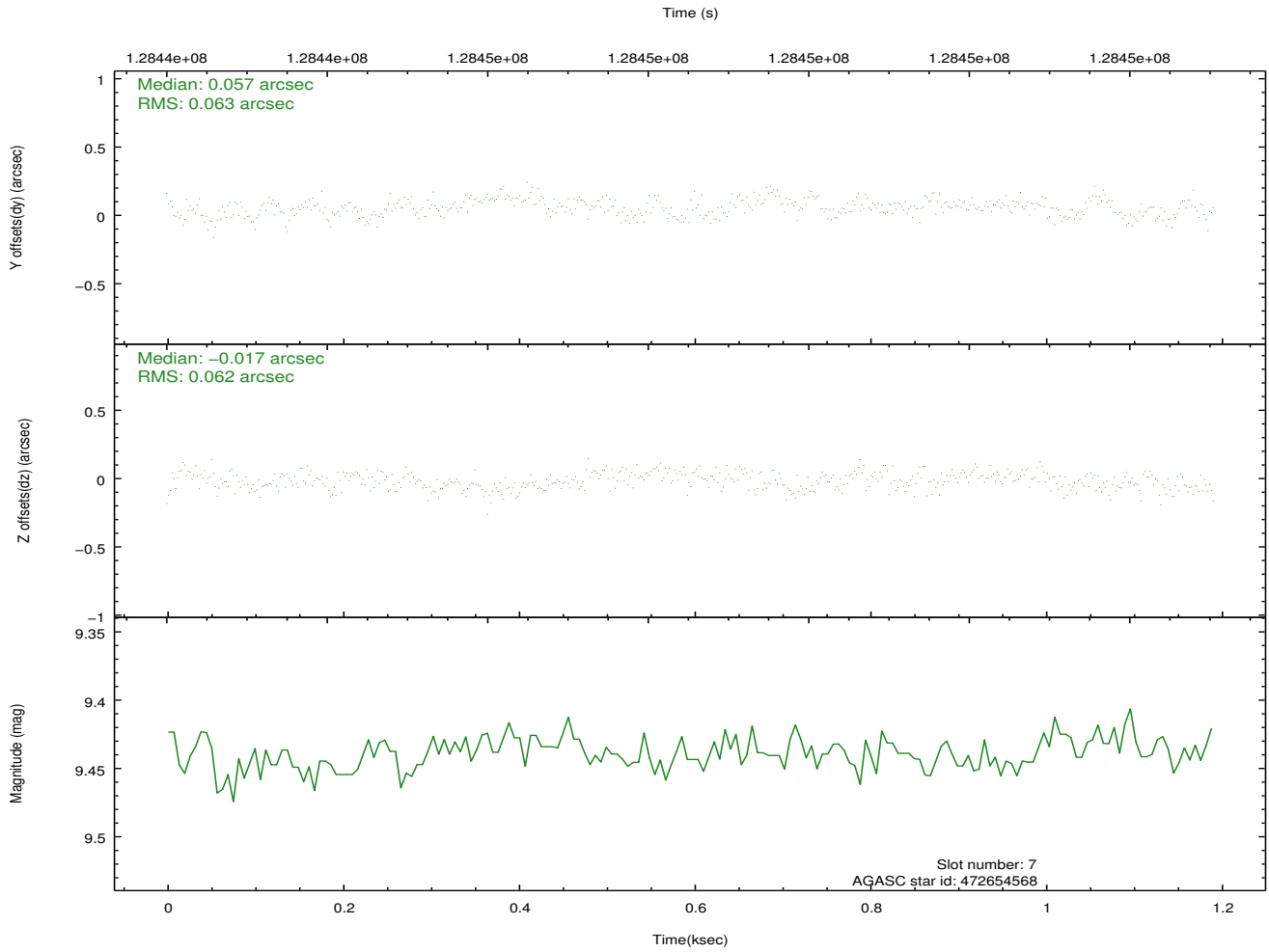
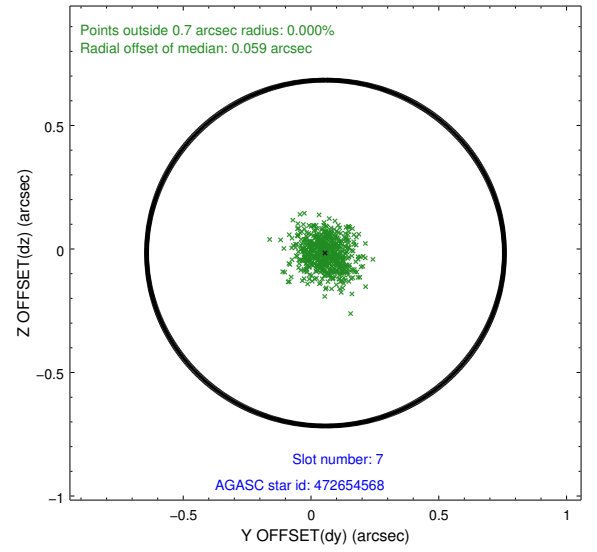
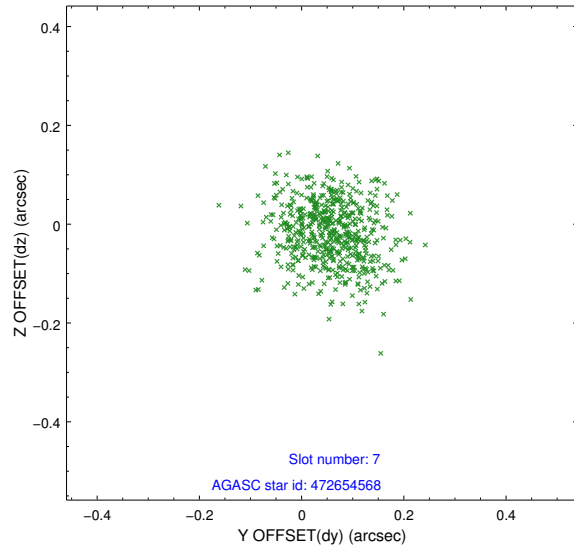
2.4.3 Slot 5



2.4.4 Slot 6

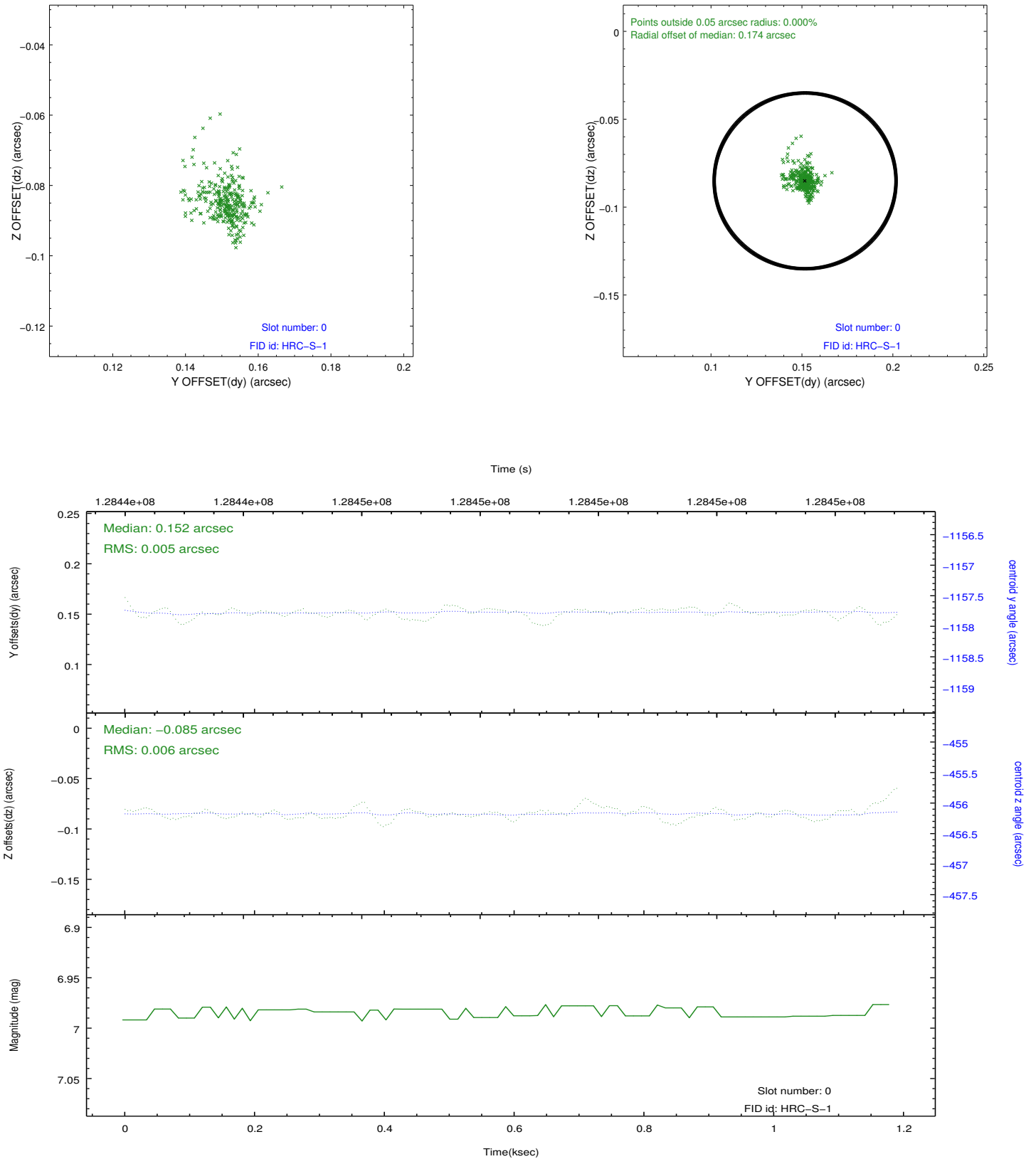


2.4.5 Slot 7

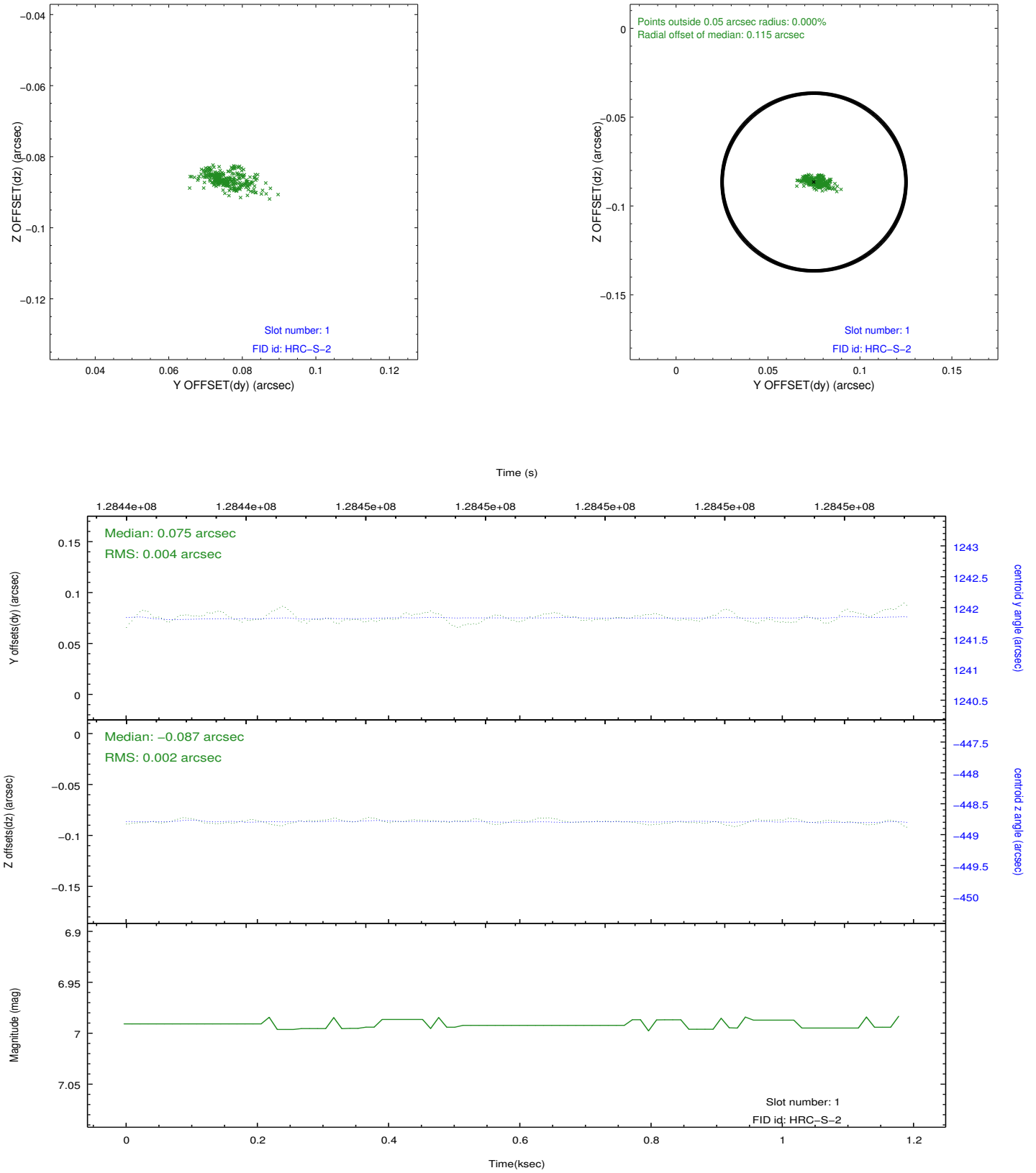


2.5 FID Slots

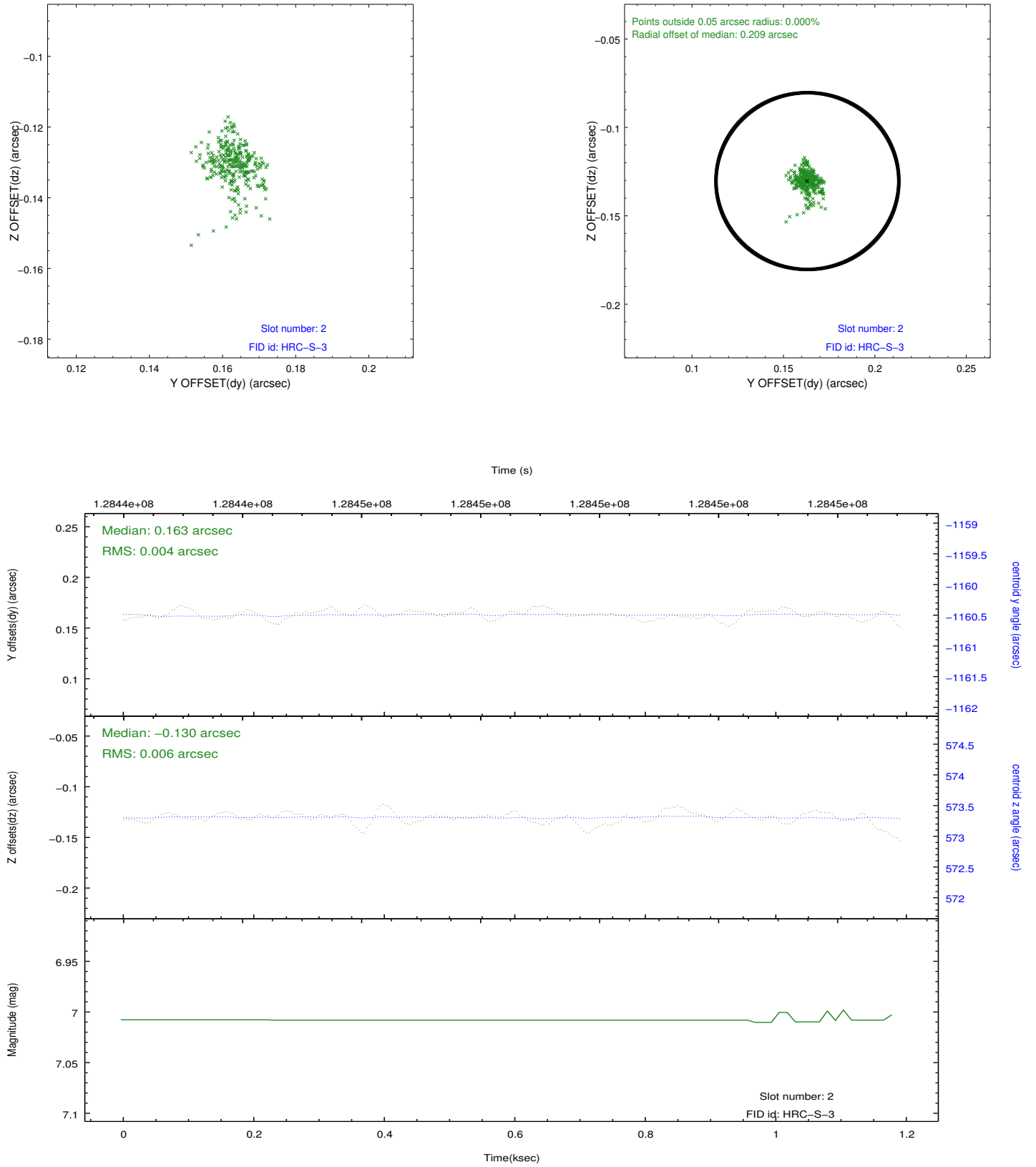
2.5.1 Slot 0



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)	2012.10.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.192

A.2 Comments

Charge time for this observation remains at previous value of 1.192 ksec.