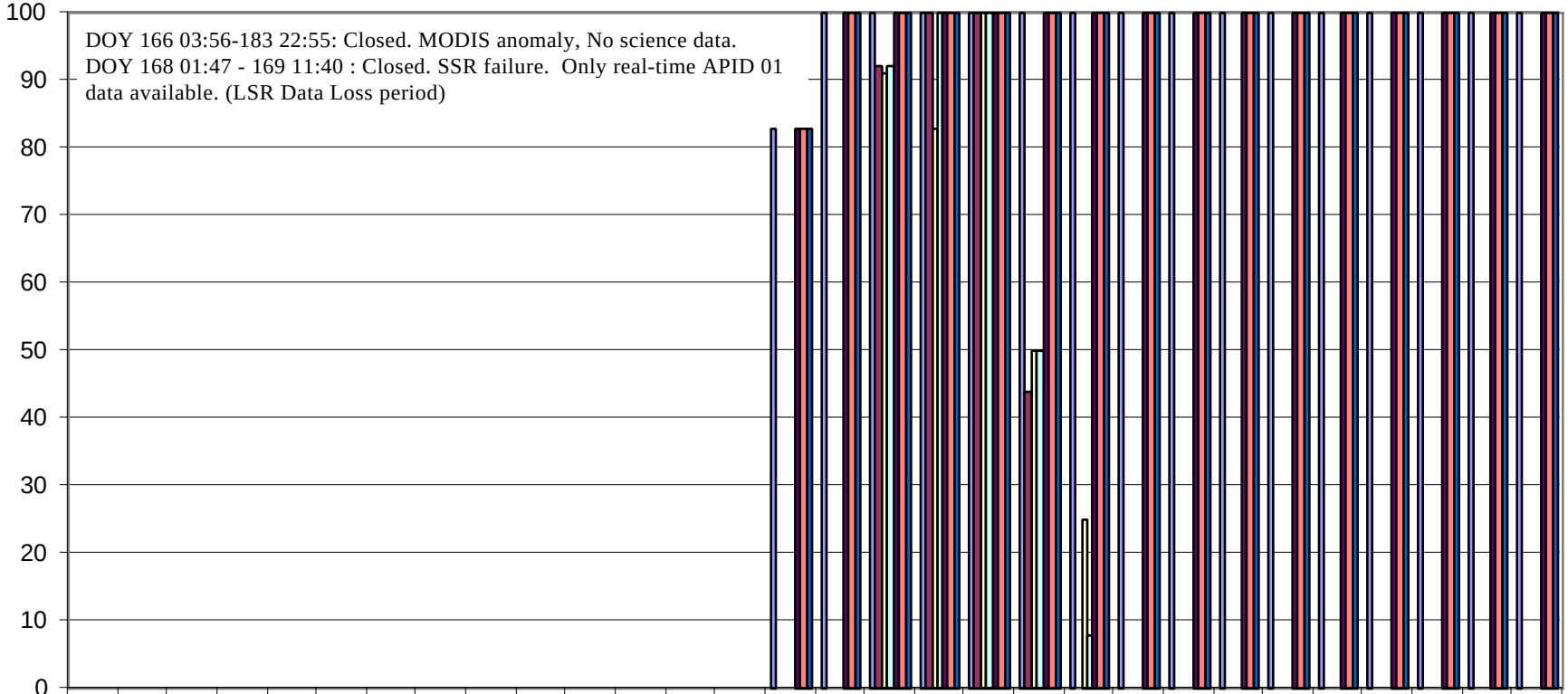
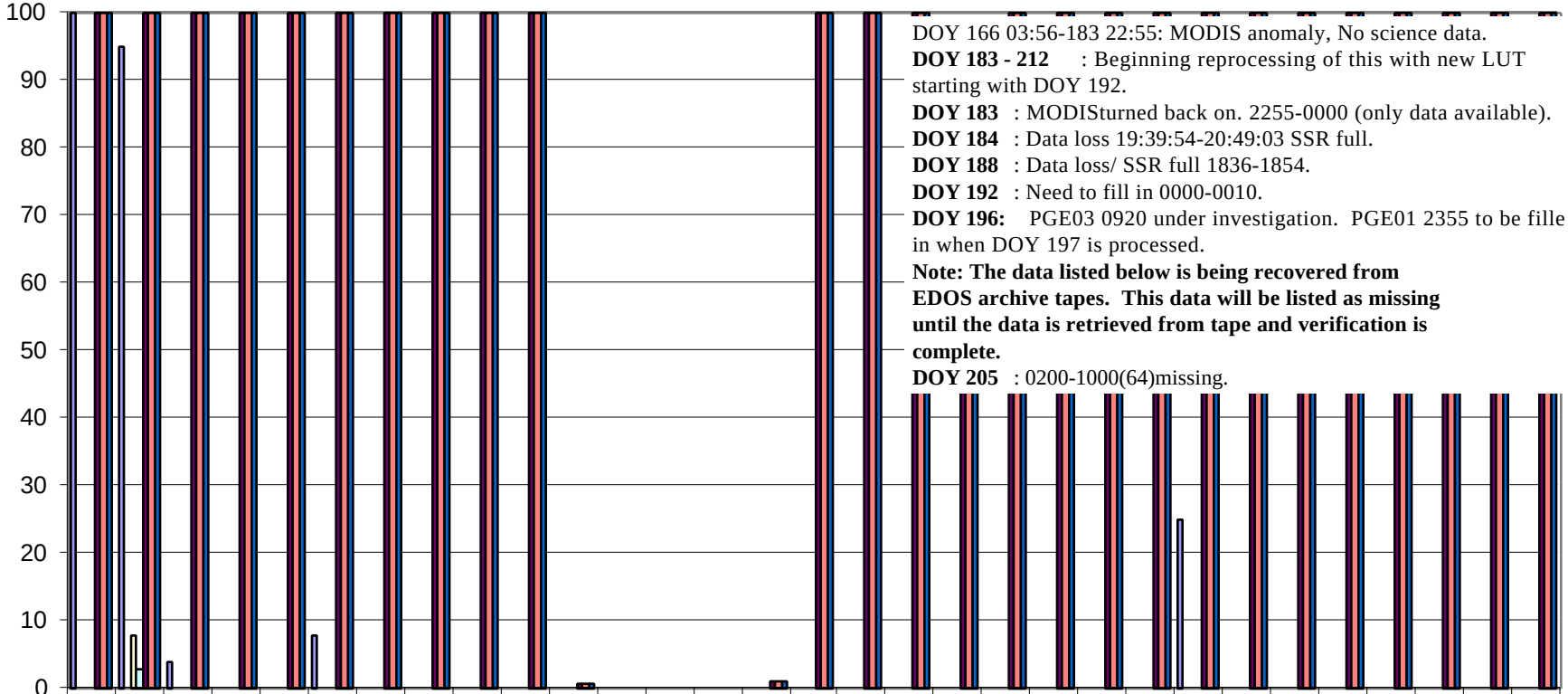
GDAAC Workload
June 2001



	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181
APID64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
APID04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	92	100	100	44	0	0	0	0	0	0	0	0	0	0
FDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91	83	100	50	25	0	0	0	0	0	0	0	0	0
DPREP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	92	100	100	50	8	0	0	0	0	0	0	0	0	0
PGE01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PGE02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PGE03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

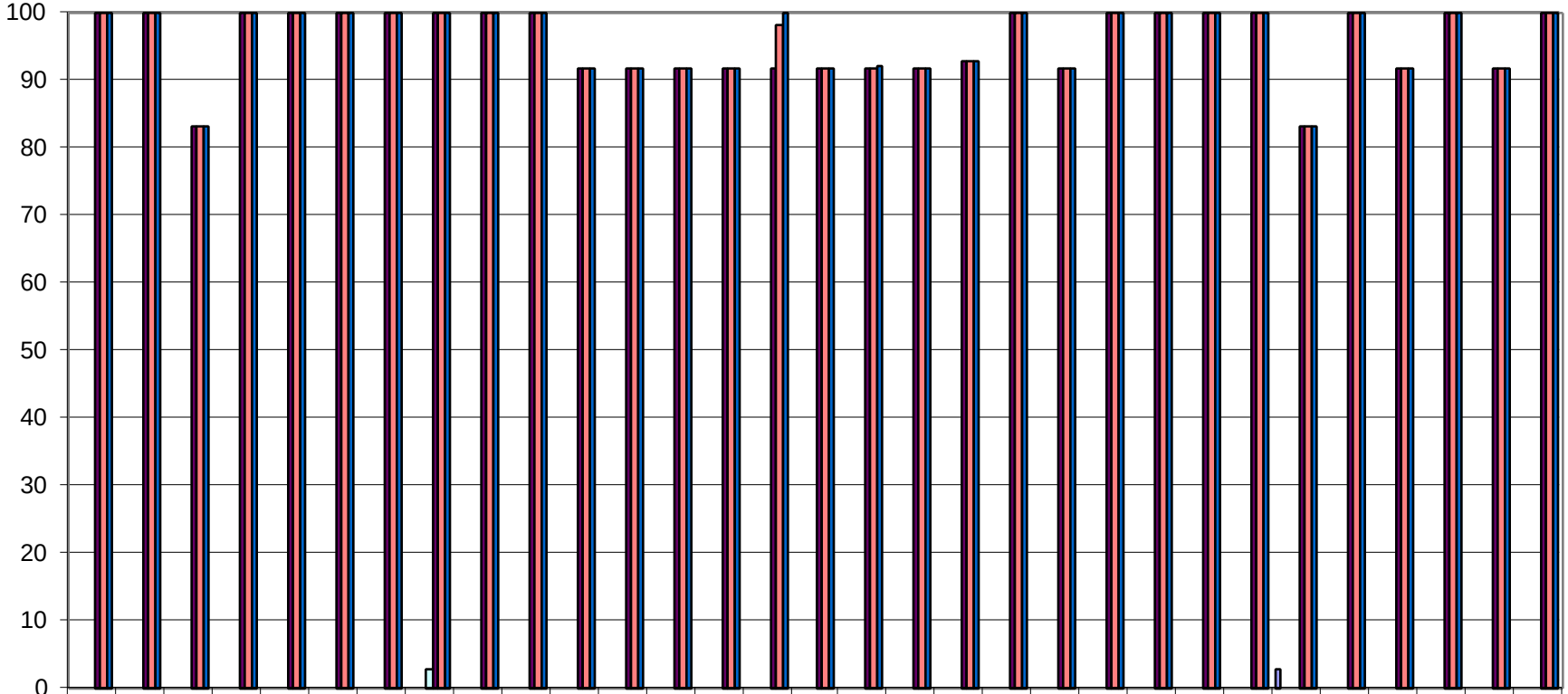
GDAAC Workload
July 2001



DOY 166 03:56-183 22:55: MODIS anomaly, No science data.
DOY 183 - 212 : Beginning reprocessing of this with new LUT starting with DOY 192.
DOY 183 : MODISturned back on. 2255-0000 (only data available).
DOY 184 : Data loss 19:39:54-20:49:03 SSR full.
DOY 188 : Data loss/ SSR full 1836-1854.
DOY 192 : Need to fill in 0000-0010.
DOY 196: PGE03 0920 under investigation. PGE01 2355 to be fille in when DOY 197 is processed.
Note: The data listed below is being recovered from EDOS archive tapes. This data will be listed as missing until the data is retrieved from tape and verification is complete.
DOY 205 : 0200-1000(64)missing.

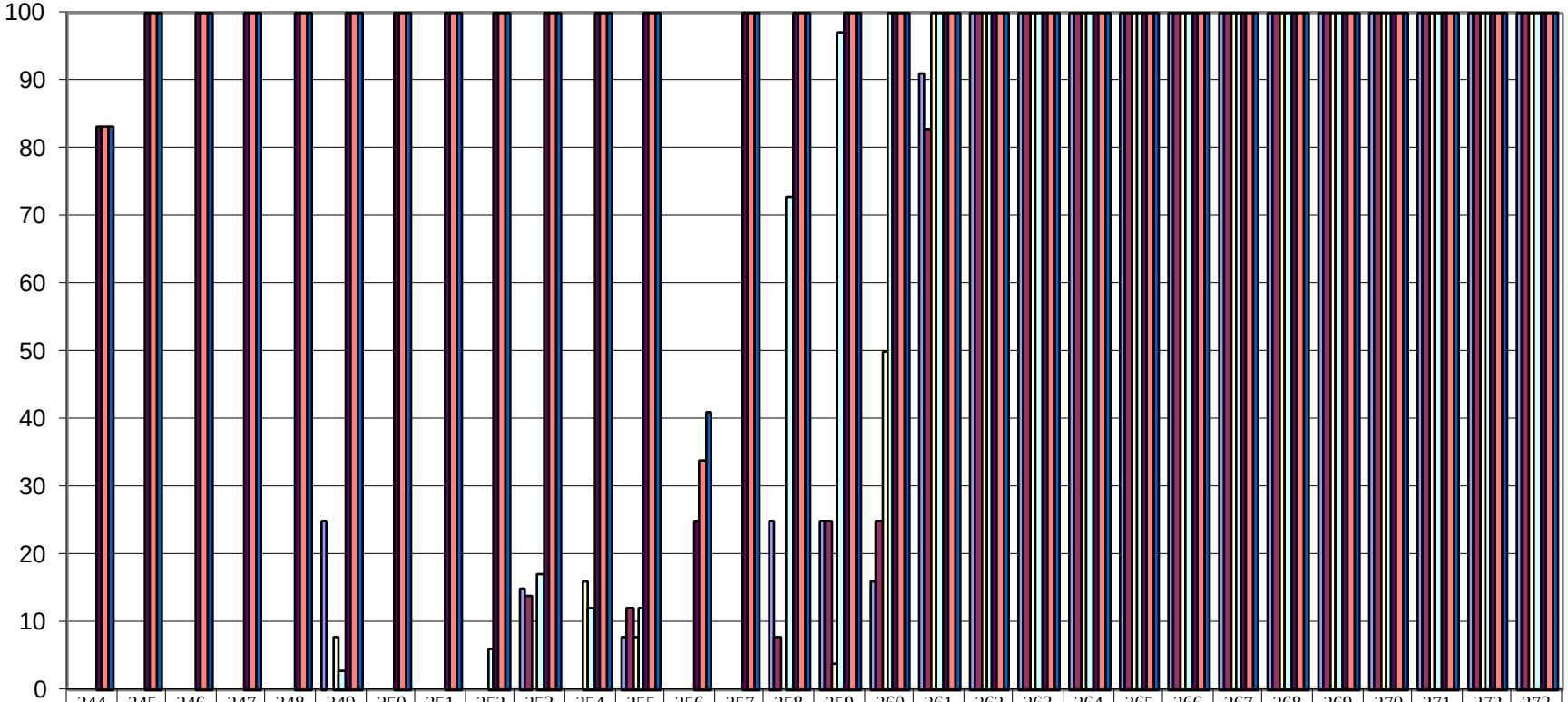
	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212
APID64	100	95	4	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	0	0	0
APID04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FDD	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPREP	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGE01	100	100	100	100	100	100	100	100	100	100	1	0	0	0	1	100	100	100	92	100	100	100	100	100	100	100	100	100	100	100	100
PGE02	100	100	100	100	100	100	100	100	100	100	1	0	0	0	1	100	100	100	92	100	100	100	100	100	100	100	100	100	100	100	100
PGE03	100	100	100	100	100	100	100	100	100	100	1	0	0	0	1	100	100	100	92	100	100	100	100	100	100	100	100	100	100	100	100

GDAAC Workload
August 2001



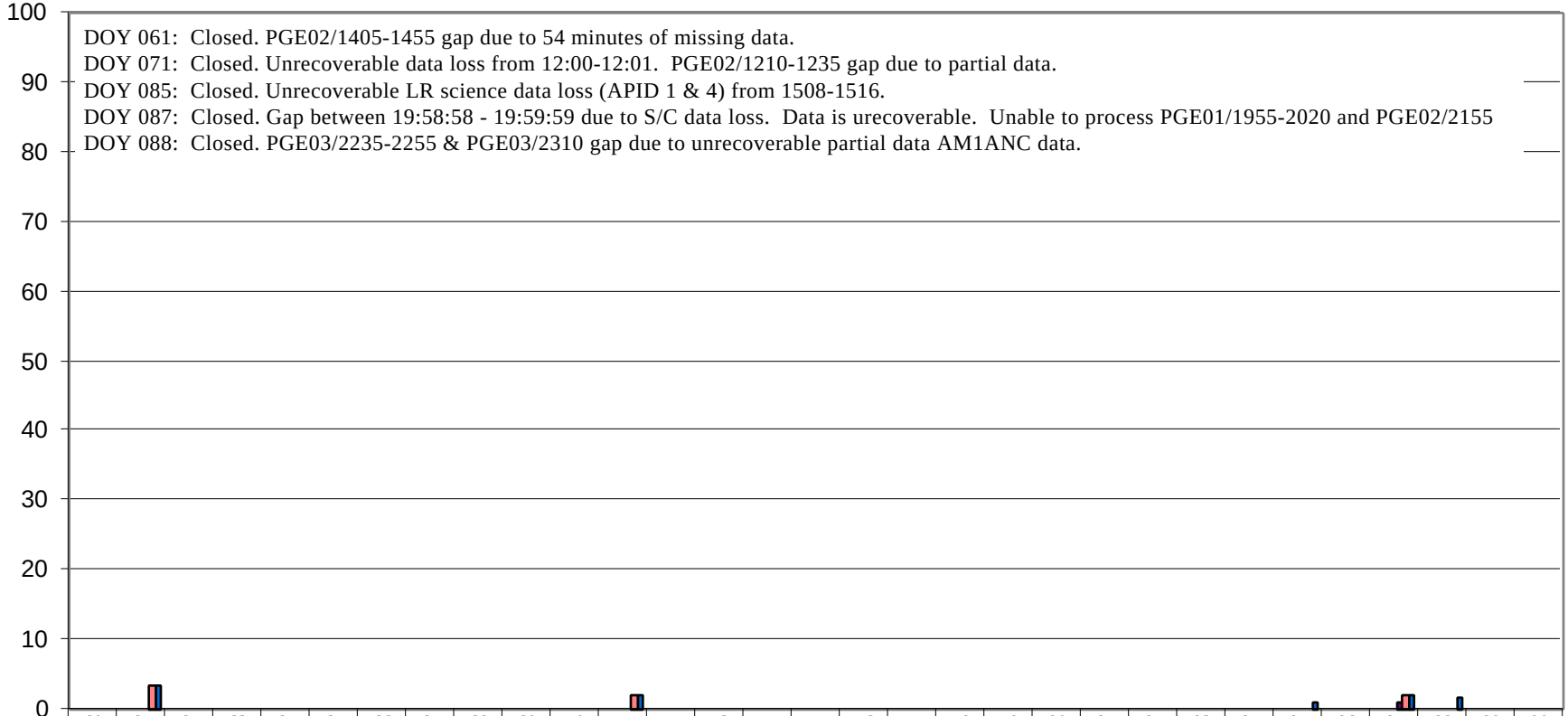
	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243
APID64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0
APID04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPREP	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGE01	100	100	83	100	100	100	100	100	100	100	92	92	92	92	92	92	92	92	93	100	92	100	100	100	100	83	100	92	100	92	100
PGE02	100	100	83	100	100	100	100	100	100	100	92	92	92	92	98	92	92	92	93	100	92	100	100	100	100	83	100	92	100	92	100
PGE03	100	100	83	100	100	100	100	100	100	100	92	92	92	92	100	92	92	92	93	100	92	100	100	100	100	83	100	92	100	92	100

GDAAC Workload
September 2001



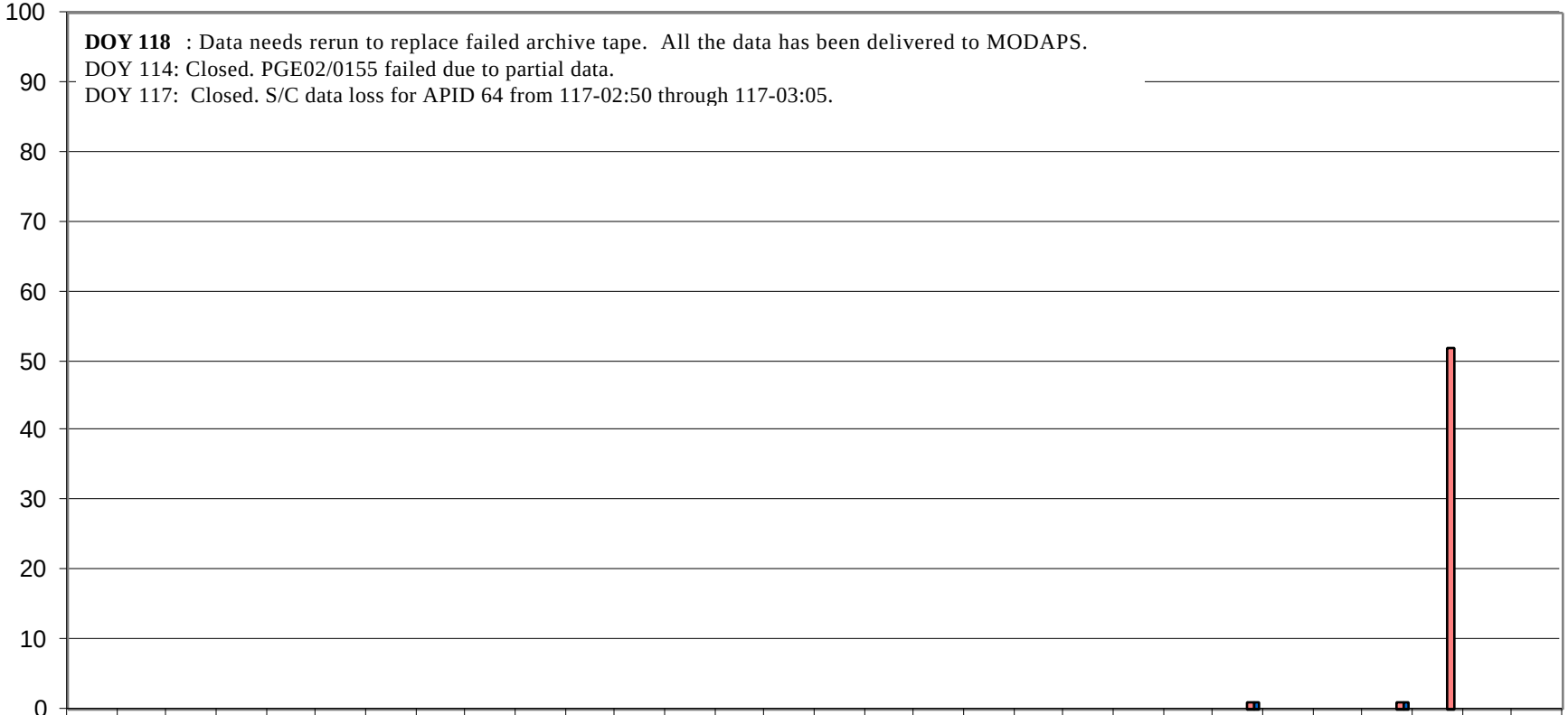
	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273
APID64	0	0	0	0	0	25	0	0	0	15	0	8	0	0	25	25	16	91	100	100	100	100	100	100	100	100	100	100	100	100
APID04	0	0	0	0	0	0	0	0	0	14	0	12	0	0	8	25	25	83	100	100	100	100	100	100	100	100	100	100	100	100
FDD	0	0	0	0	0	8	0	0	0	0	16	8	0	0	0	4	50	100	100	100	100	100	100	100	100	100	100	100	100	100
DPREP	0	0	0	0	0	3	0	0	6	17	12	12	0	0	73	97	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PGE01	83	100	100	100	100	100	100	100	100	100	100	100	25	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PGE02	83	100	100	100	100	100	100	100	100	100	100	100	34	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PGE03	83	100	100	100	100	100	100	100	100	100	100	100	41	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

GDAAC Reprocessing Workload
March 2001



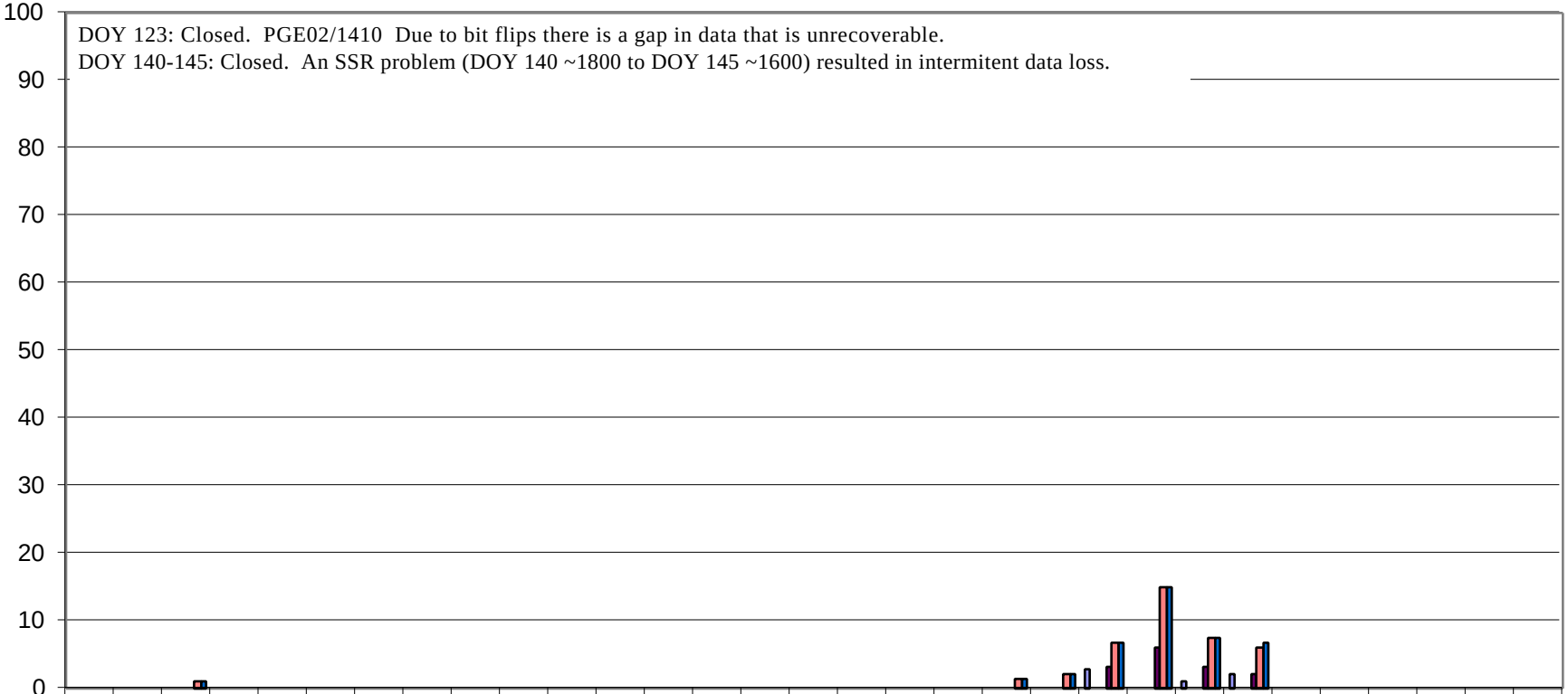
	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
APID64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APID04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPREP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGE01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
PGE02	0	3	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
PGE03	0	3	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	2	0	0

GDAAC Reprocessing Workload
April 2001



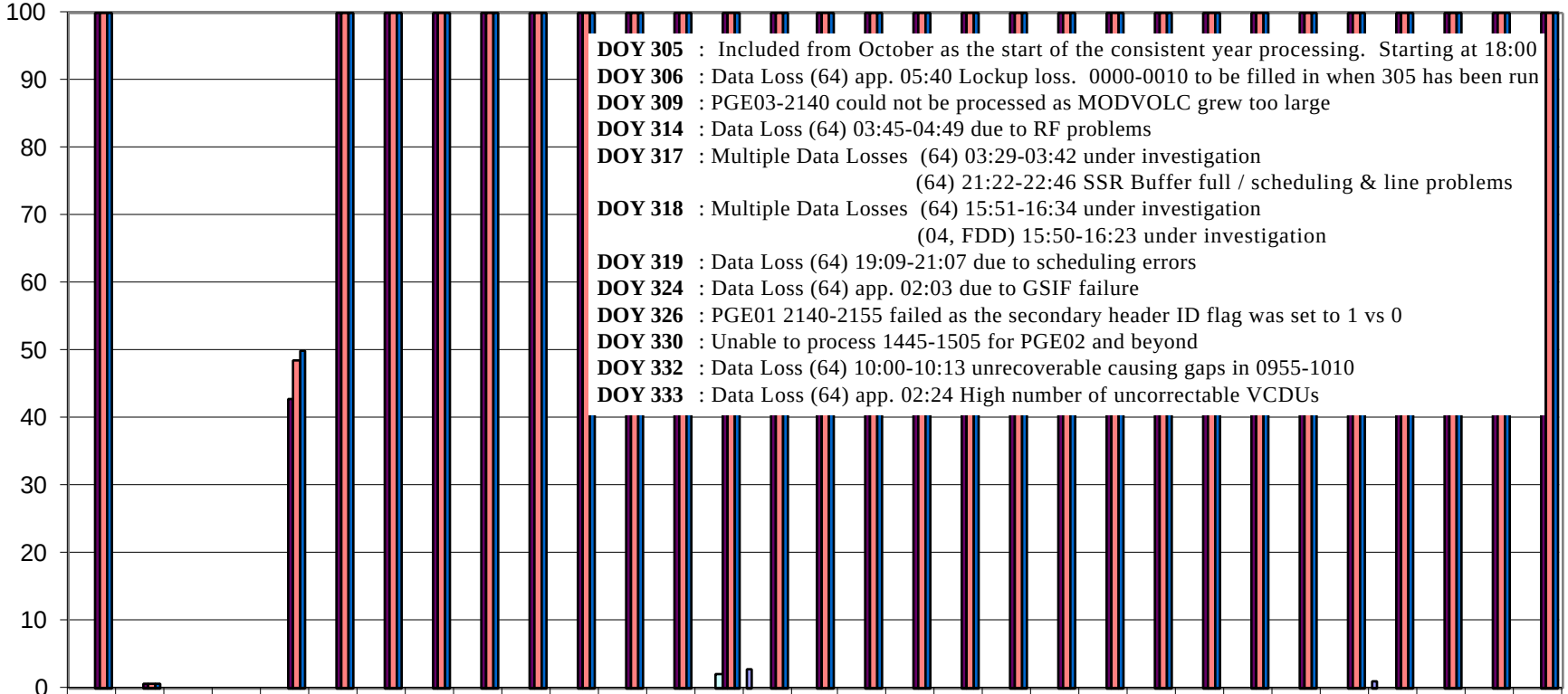
	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
APID64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APID04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPREP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGE01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGE02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	52	0	0
PGE03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0

GDAAC Workload
May 2001



	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151
APID64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	2	0	0	0	0	0	0
APID04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPREP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGE01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	3	2	0	0	0	0	0	0
PGE02	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	7	15	8	6	0	0	0	0	0	0
PGE03	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	7	15	8	7	0	0	0	0	0	0

GDAAC Reprocessing Workload
November 2000

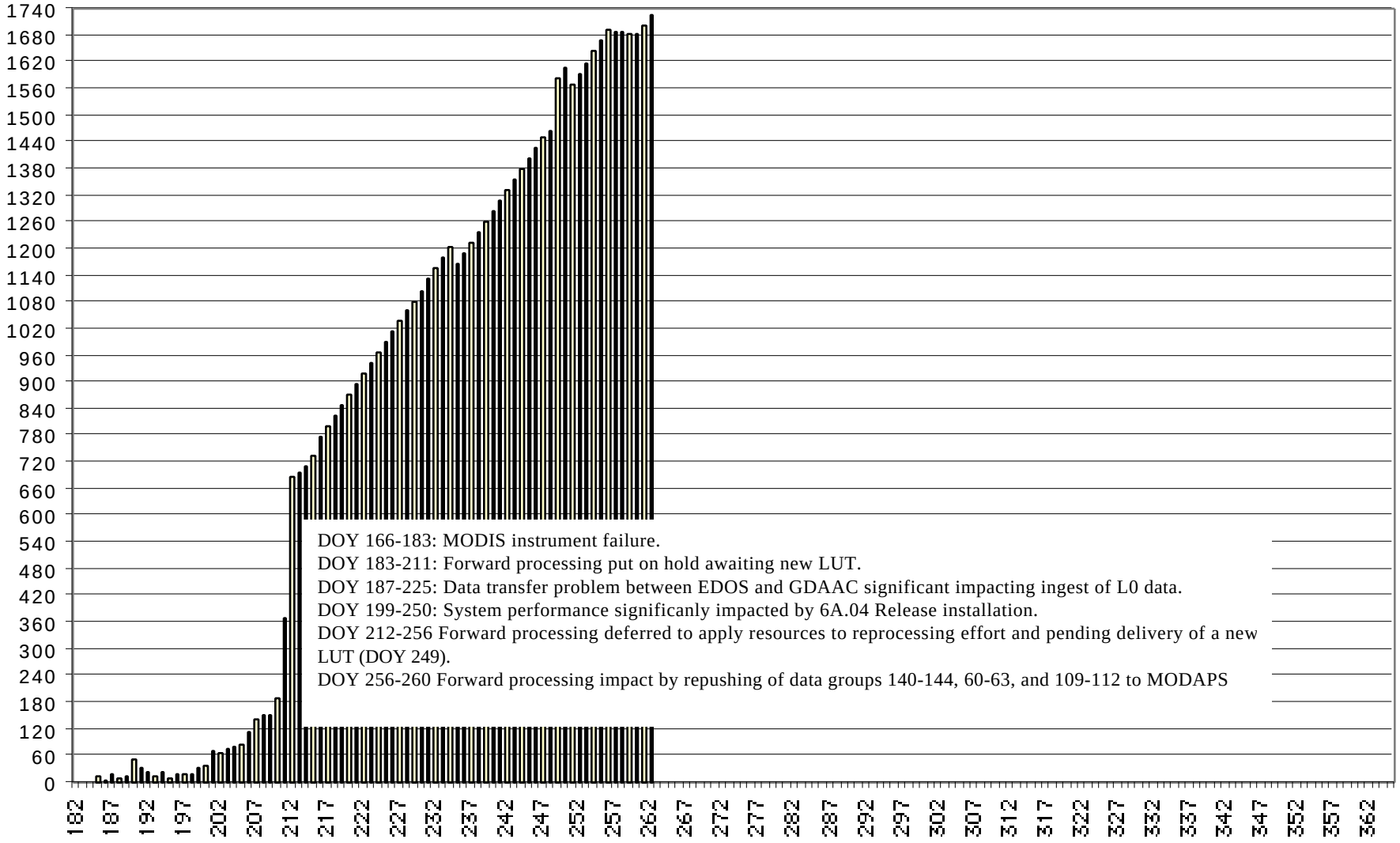


DOY 305 : Included from October as the start of the consistent year processing. Starting at 18:00
DOY 306 : Data Loss (64) app. 05:40 Lockup loss. 0000-0010 to be filled in when 305 has been run
DOY 309 : PGE03-2140 could not be processed as MODVOLC grew too large
DOY 314 : Data Loss (64) 03:45-04:49 due to RF problems
DOY 317 : Multiple Data Losses (64) 03:29-03:42 under investigation
(64) 21:22-22:46 SSR Buffer full / scheduling & line problems
DOY 318 : Multiple Data Losses (64) 15:51-16:34 under investigation
(04, FDD) 15:50-16:23 under investigation
DOY 319 : Data Loss (64) 19:09-21:07 due to scheduling errors
DOY 324 : Data Loss (64) app. 02:03 due to GSIF failure
DOY 326 : PGE01 2140-2155 failed as the secondary header ID flag was set to 1 vs 0
DOY 330 : Unable to process 1445-1505 for PGE02 and beyond
DOY 332 : Data Loss (64) 10:00-10:13 unrecoverable causing gaps in 0955-1010
DOY 333 : Data Loss (64) app. 02:24 High number of uncorrectable VCDUs

	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335
APID64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
APID04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPREP	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGE01	100	1	0	0	43	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PGE02	100	1	0	0	49	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PGE03	100	1	0	0	50	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

July-December 2001 PGE Backlog

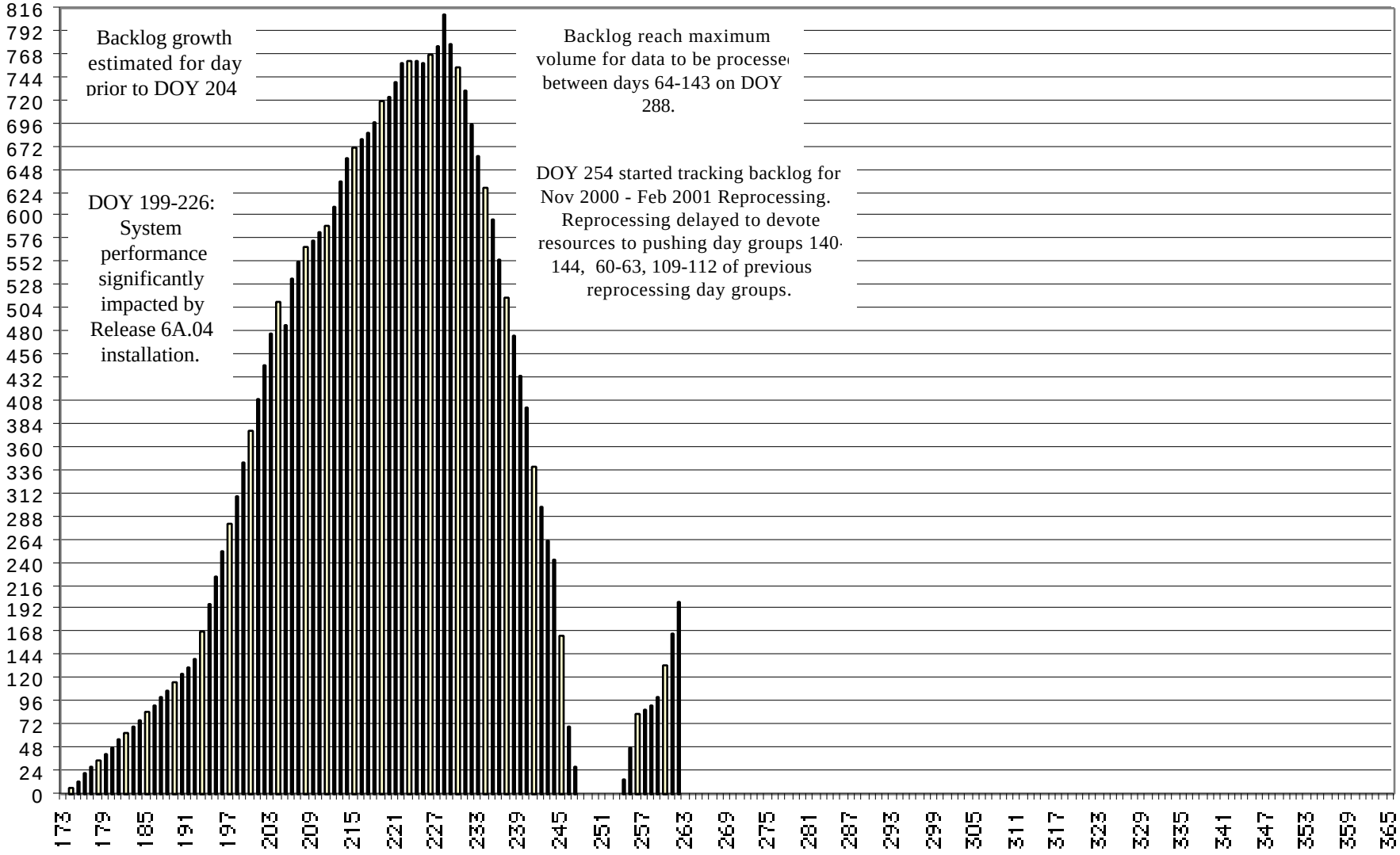
Recalculated backlog on DOY 212 to include reprocessing from data day 183-212 with new LUT, plus hours to complete days 142-1
Reset all days since DOY 183 that were processed before the new LUT was delivered on DOY 250.



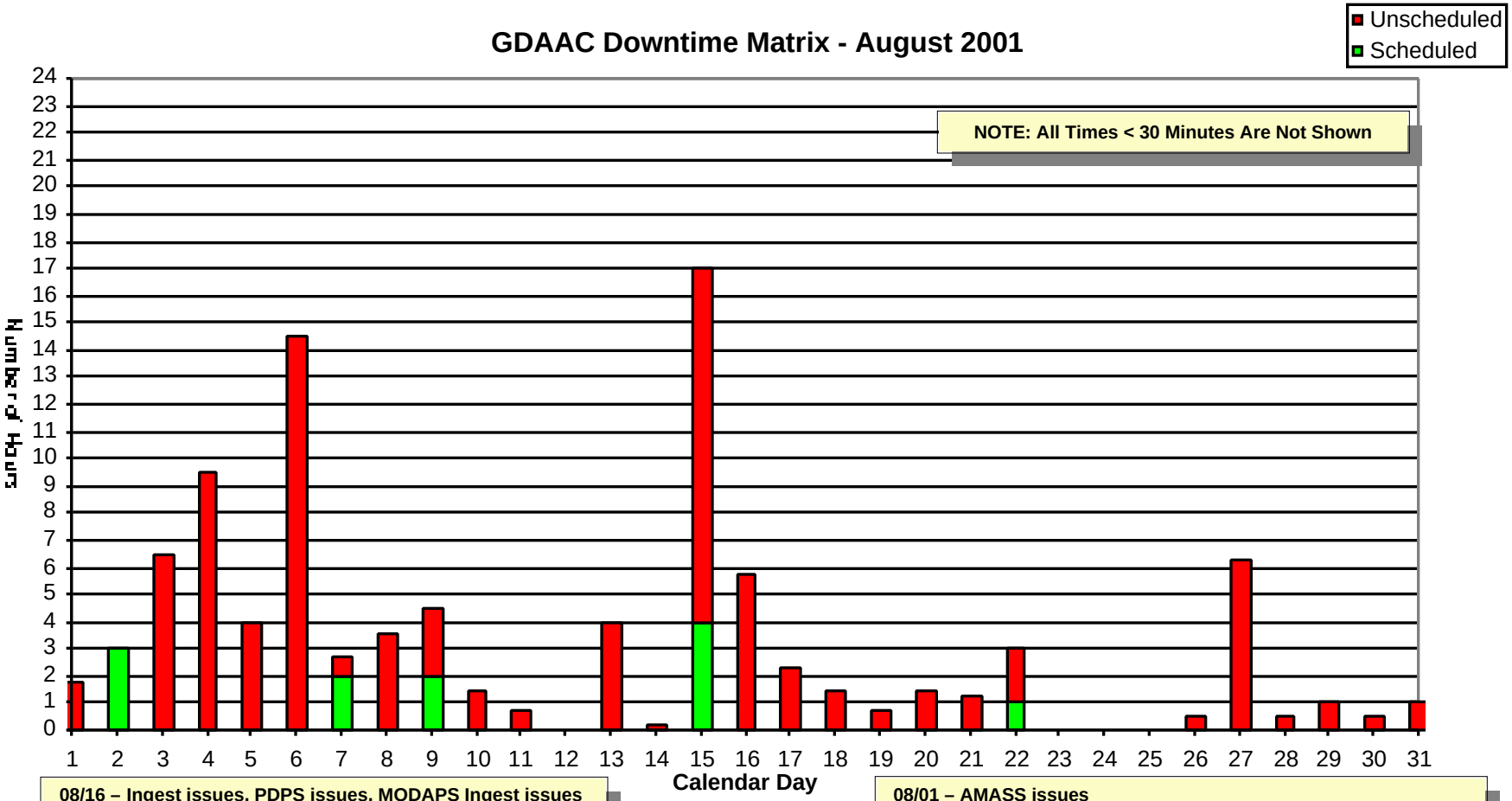
2001 Reprocessing Backlog

(Based on 1.4x processing rate starting on day 173 for data days 64-143.)

(2nd backlog based on 1.4x processing rate starting on day 253 for data days 305,2000-001, 2001.)

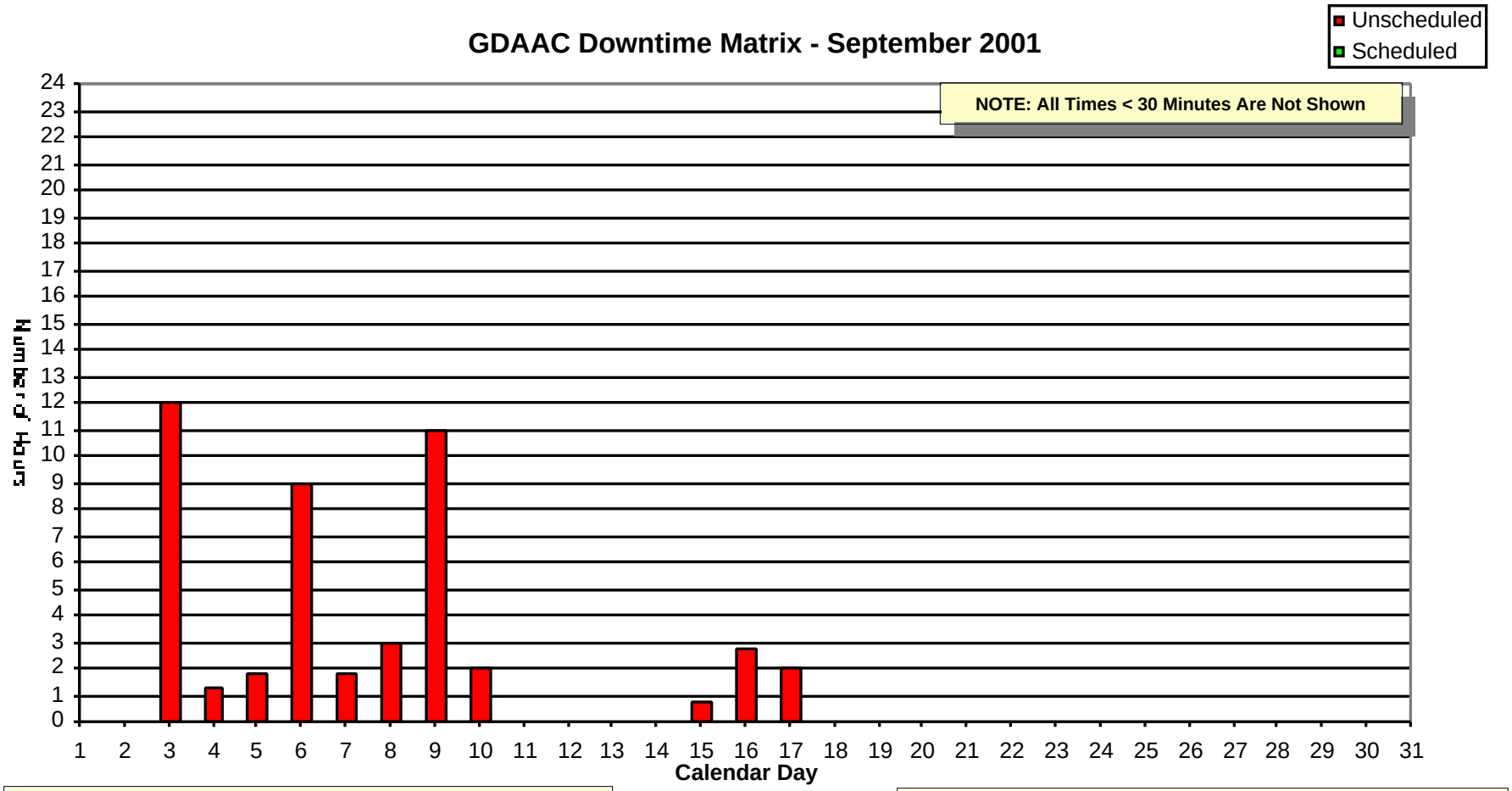


GDAAC Downtime Matrix - August 2001



08/16 – Ingest issues, PDPS issues, MODAPS Ingest issues
08/17 – Distribution issues
08/18 – HIPPI issues, FTP issues
08/19 – FTP issues
08/20 – Distribution issues
08/21 – Ingest and Distribution issues
08/22 - System Maintenance
08/26 - AMASS issues
08/27 - AMASS issues, PDPS issues
08/28 - Distribution issues
08/29 - Distribution issues
08/30 - Ingest issues
08/31 - Ingest and Production issues, HIPPI interface failure

08/01 – AMASS issues
08/02 – ESDT installation
08/03 – FTP Server issues, SDSRV issues, AMASS issues
08/04 - SDSRV issues, cache cleanup
08/06 – Total System Outage, DDIST issues
08/07 – g0drg01 RAID installation
08/08 – DCE issues on g0icg01, Tape failure, STMGT cleanup
08/09 – g0acg01 hardware maintenance
08/10 – AMASS issues
08/11 – AMASS issues
08/13 – PDPS issues
08/14 – Low Disk Resources
08/15 – System Maintenance



09/03 – System Down

09/04 – AMASS reboot

09/05 – PDPS cleanup

09/06 – Archive issues

09/07 – Archive maintenance, Distribution issues

09/08 – Ingest and Distribution issues

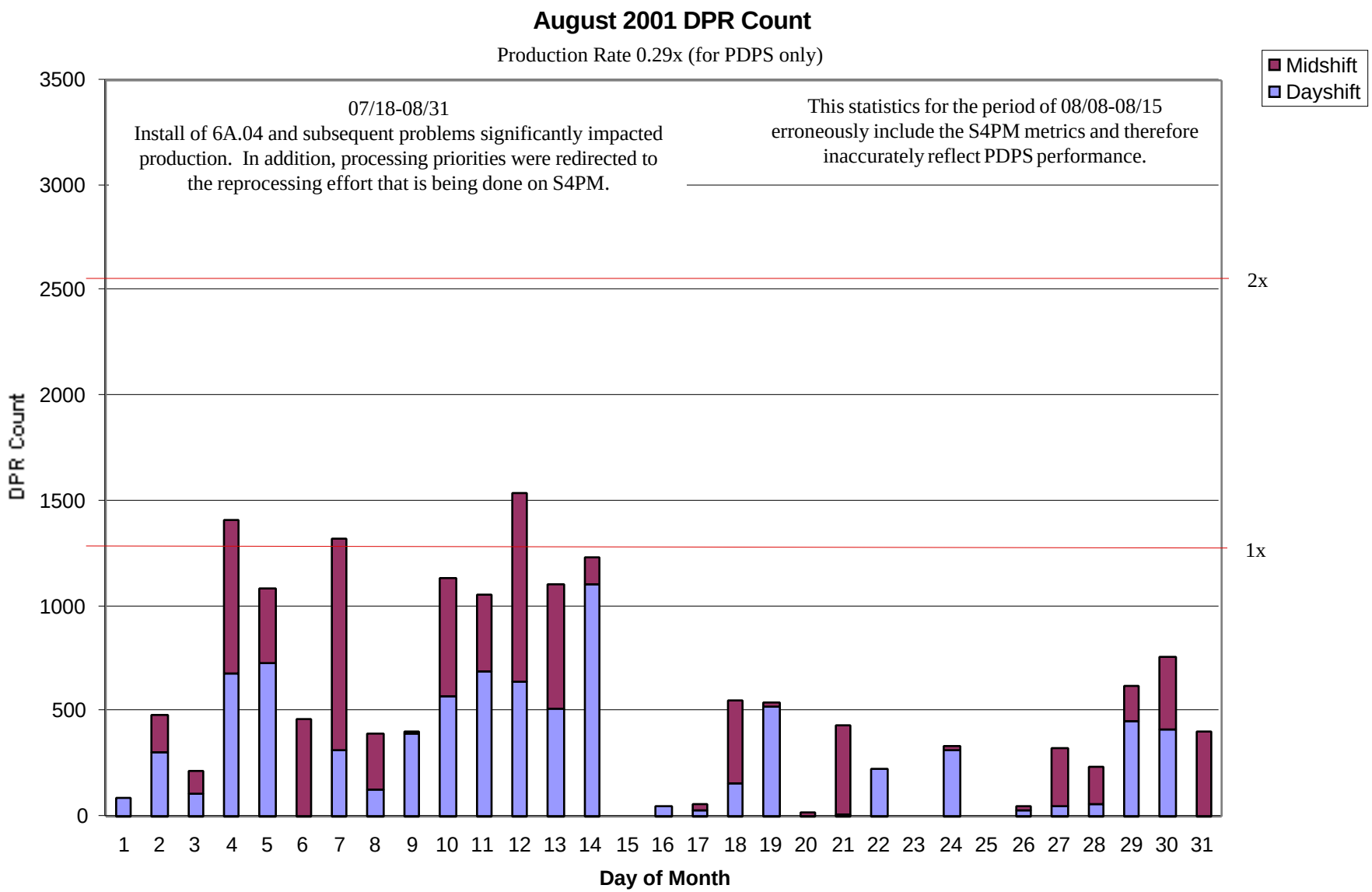
09/09 – Ingest, Distributions, Subscription Server, and Archive issues

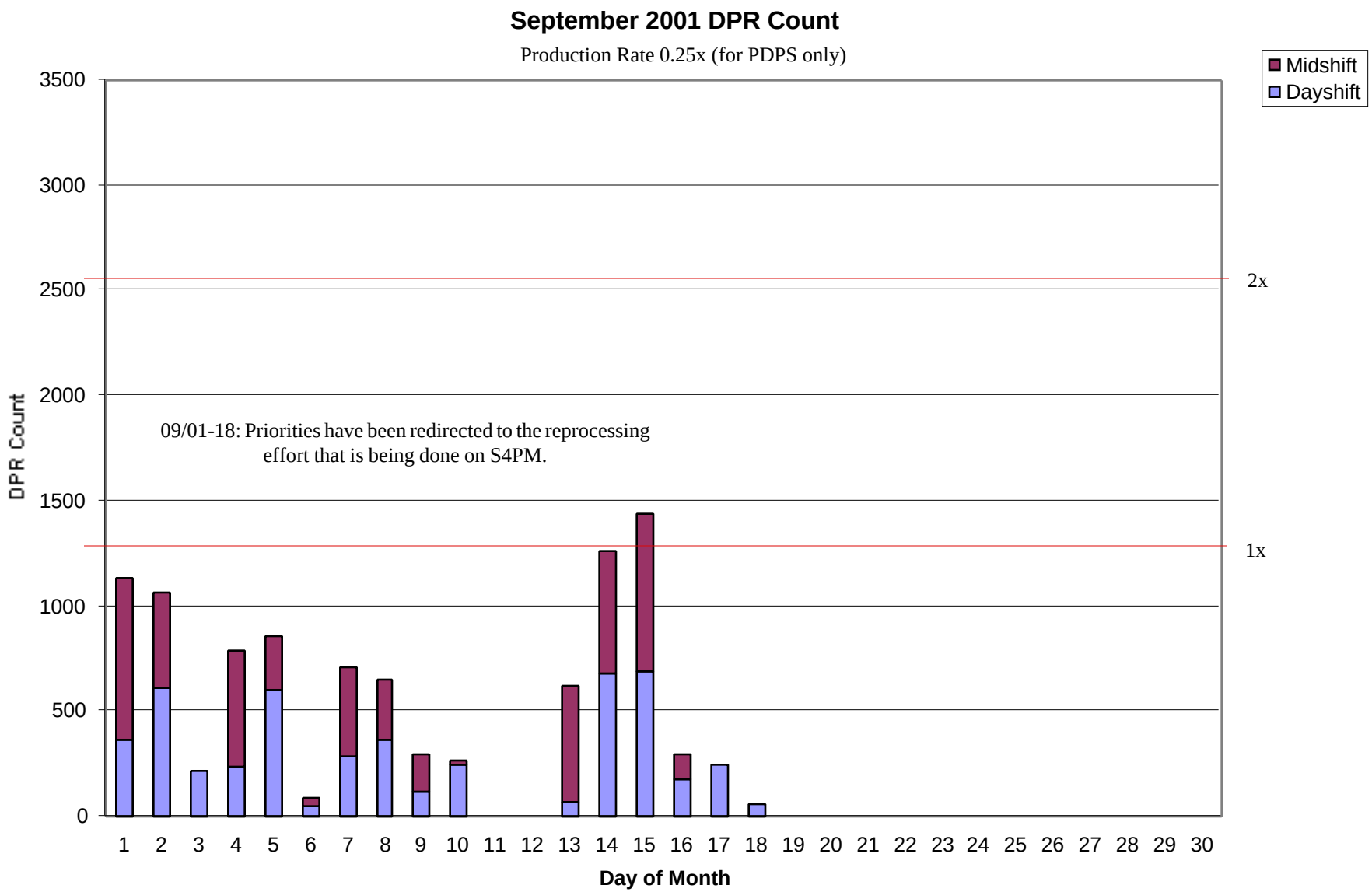
09/10 – Storage Management issues

09/15 – AMASS reboot

09/16 – AMASS and SRSRV issues

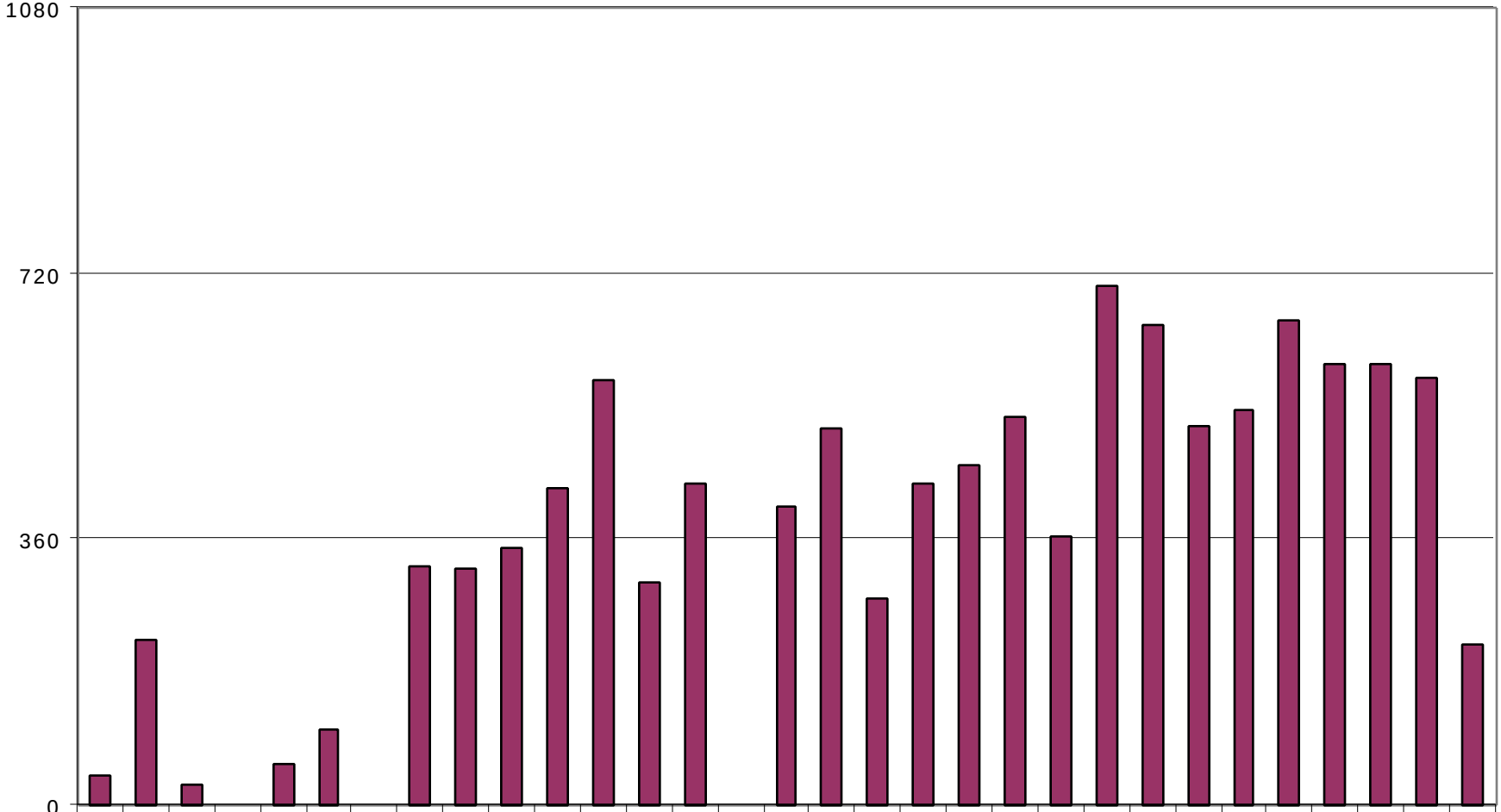
09/17 – AMASS and Tripwire issues


August 2001 DPR Count
Production Rate 0.29x (for PDPS only)
Midshift
Dayshift
07/18-08/31
Install of 6A.04 and subsequent problems significantly impacted production. In addition, processing priorities were redirected to the reprocessing effort that is being done on S4PM.
This statistics for the period of 08/08-08/15 erroneously include the S4PM metrics and therefore inaccurately reflect PDPS performance.
2x
1x
DPR Count
3500
3000
2500
2000
1500
1000
500
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Day of Month


September 2001 DPR Count
Production Rate 0.25x (for PDPS only)
Midshift
Dayshift
DPR Count
3500
3000
2500
2000
1500
1000
500
0
2x
1x
09/01-18: Priorities have been redirected to the reprocessing effort that is being done on S4PM.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
Day of Month

S4PM Performance in GB
August 2001

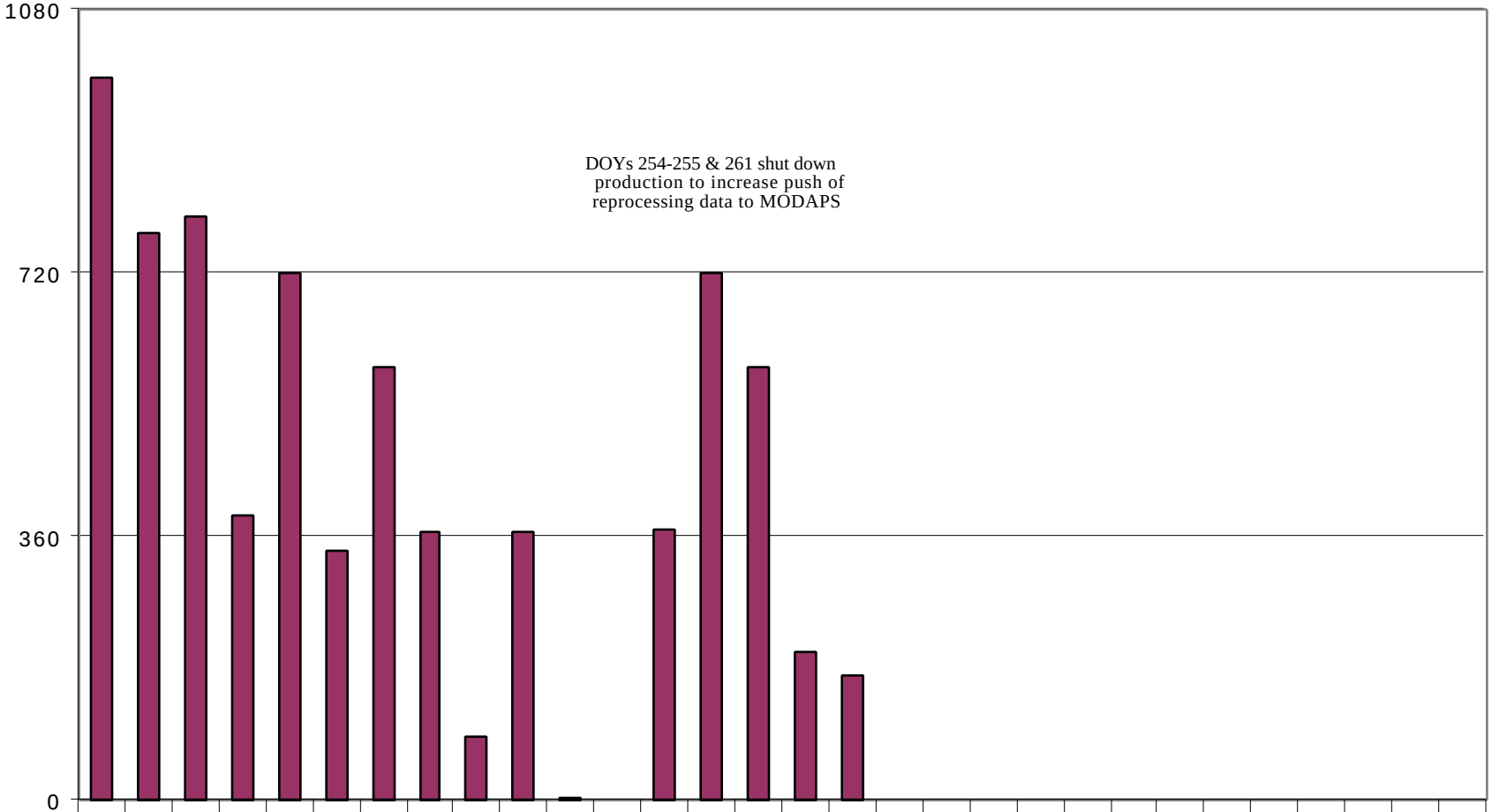
Production Rate 1.01x



	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243
Series2	41	223	27		55	103	0	325	321	349	430	576	301	435	0	406	510	281	436	460	525	364	702	649	515	535	657	598	599	578	219

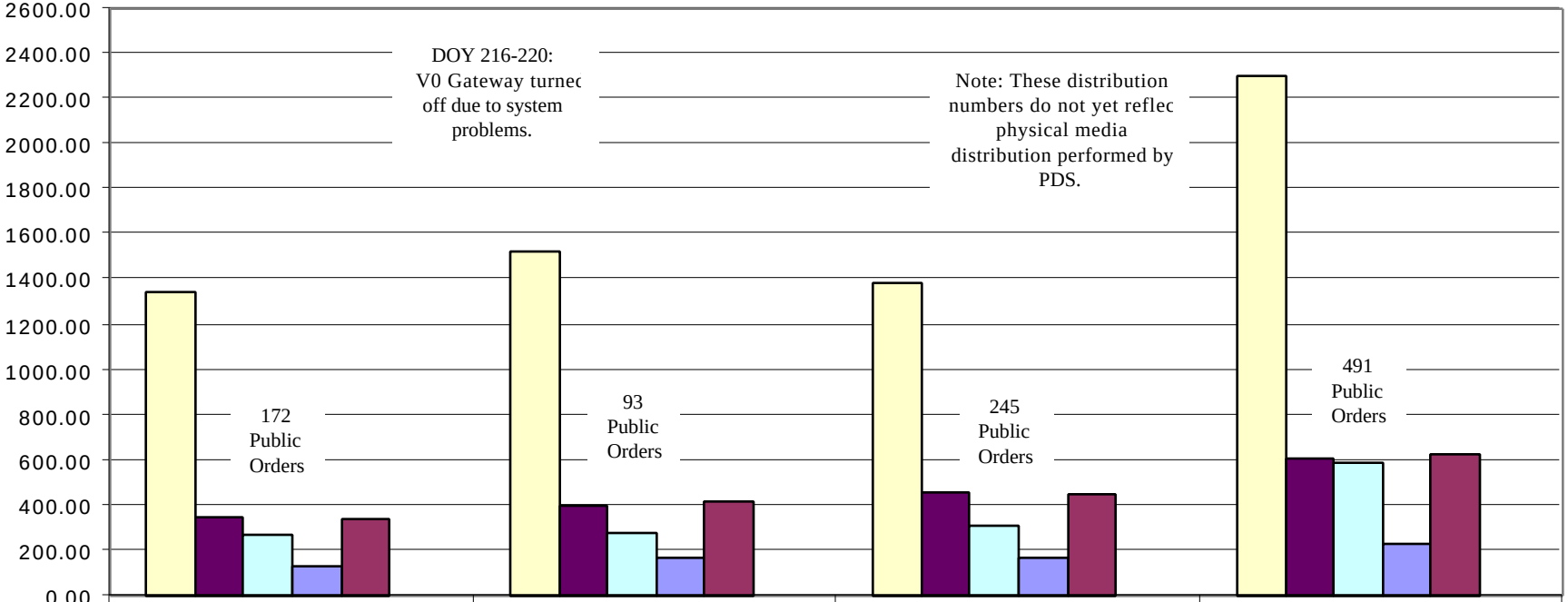
S4PM Performance in GB
September 2001

Production Rate 1.15x



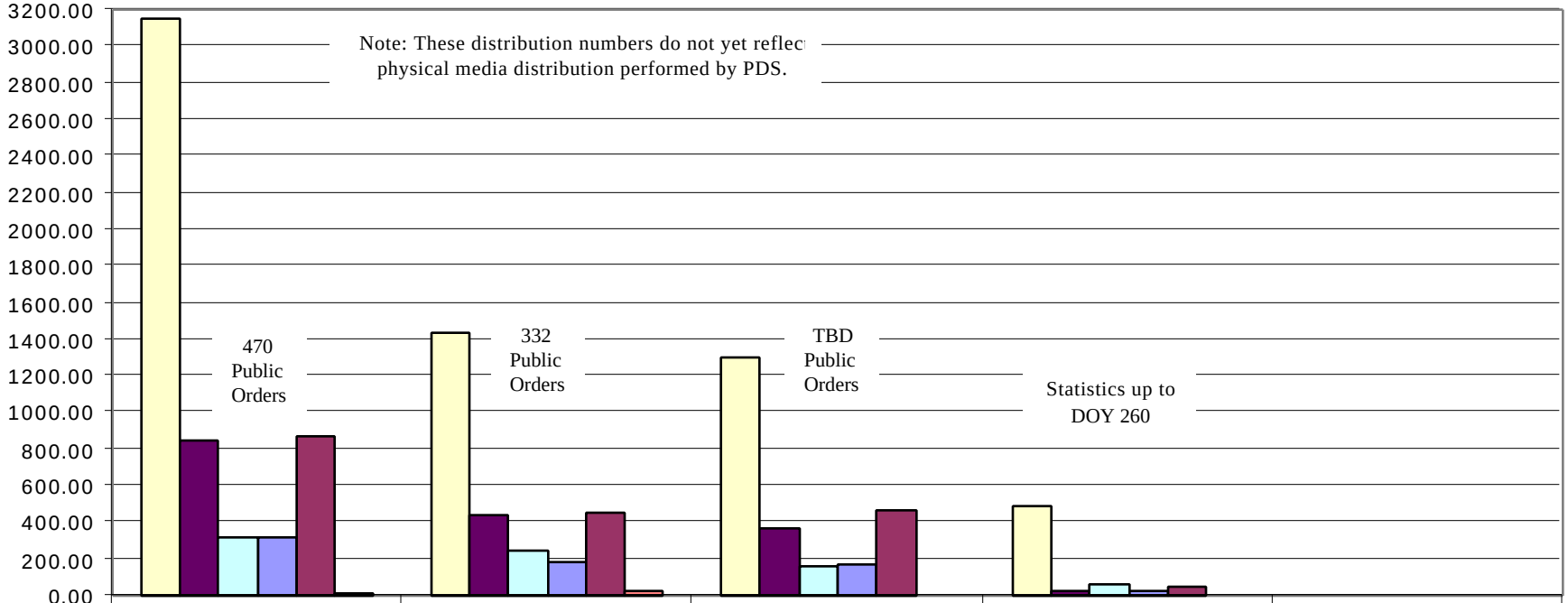
	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273
GBs	986	774	797	390	719	341	592	365	87	367	4	0	370	721	591	201	171	0												

GDAAC Weekly Totals
August 2001
(GB)



	DOY 211-217	DOY 218-224	DOY 225-231	DOY 232-238
MODAPS	1345.09	1519.27	1386.67	2299.29
QA	348.33	398.21	463.12	603.86
Public	266.97	283.40	305.90	591.11
MCST	127.66	173.75	164.50	227.82
Other	336.54	417.14	447.68	631.27
Testing	1.19	0.31	0.07	0.25

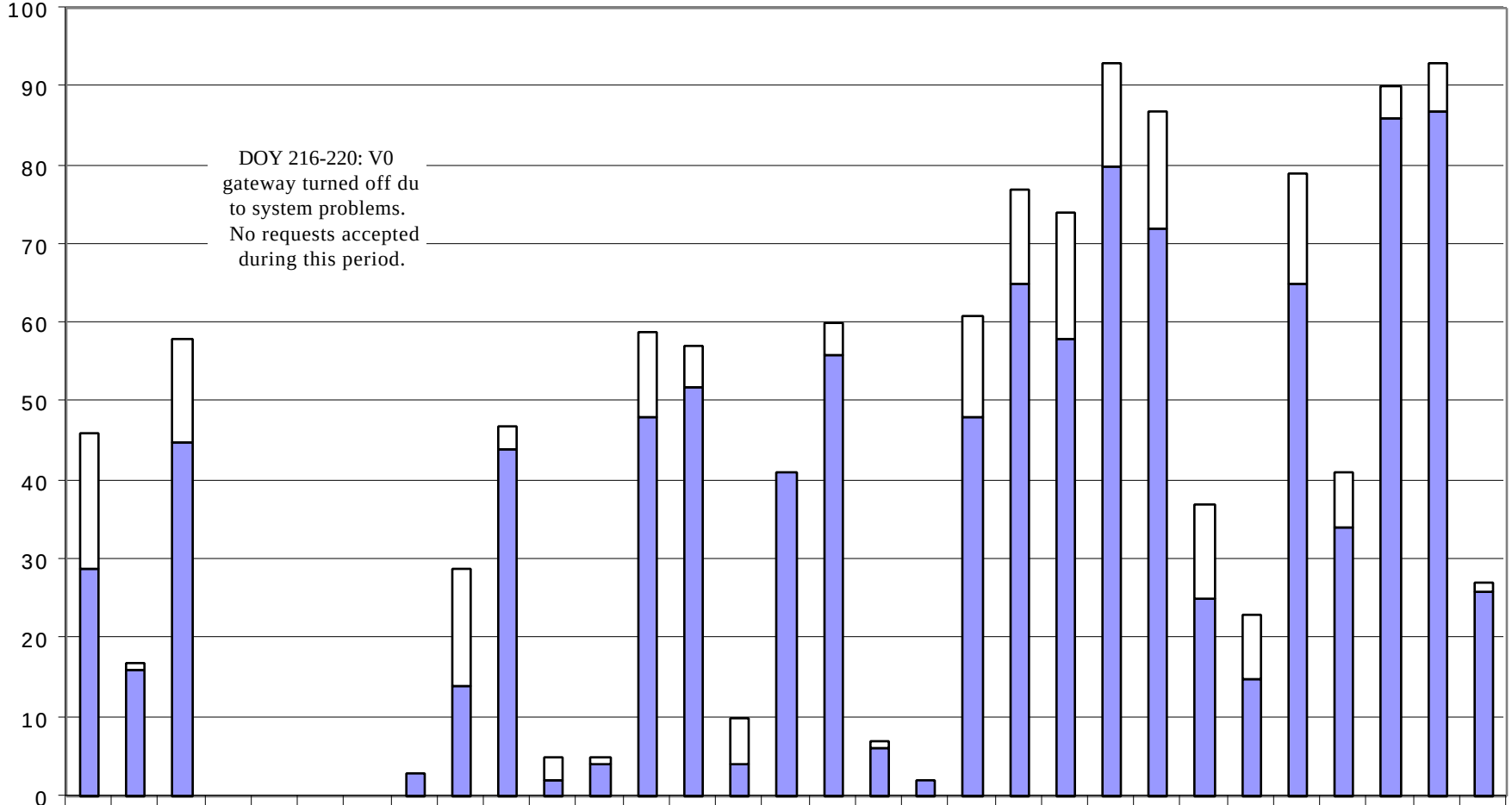
GDAAC Weekly Totals
September 2001
(GB)



	DOY 239-245	DOY 246-252	DOY 253-259	DOY 260-256	DOY 257-263
MODAPS	3146.97	1434.99	1300.63	495.81	0.00
QA	844.99	438.76	373.77	29.79	0.00
Public	318.40	242.79	158.18	64.72	0.00
MCST	324.90	190.01	177.32	28.57	0.00
Other	865.96	453.48	462.60	45.03	0.00
Testing	12.54	21.25	0.57	0.49	0.00

August 2001 Distribution Order Initial Failure Rates

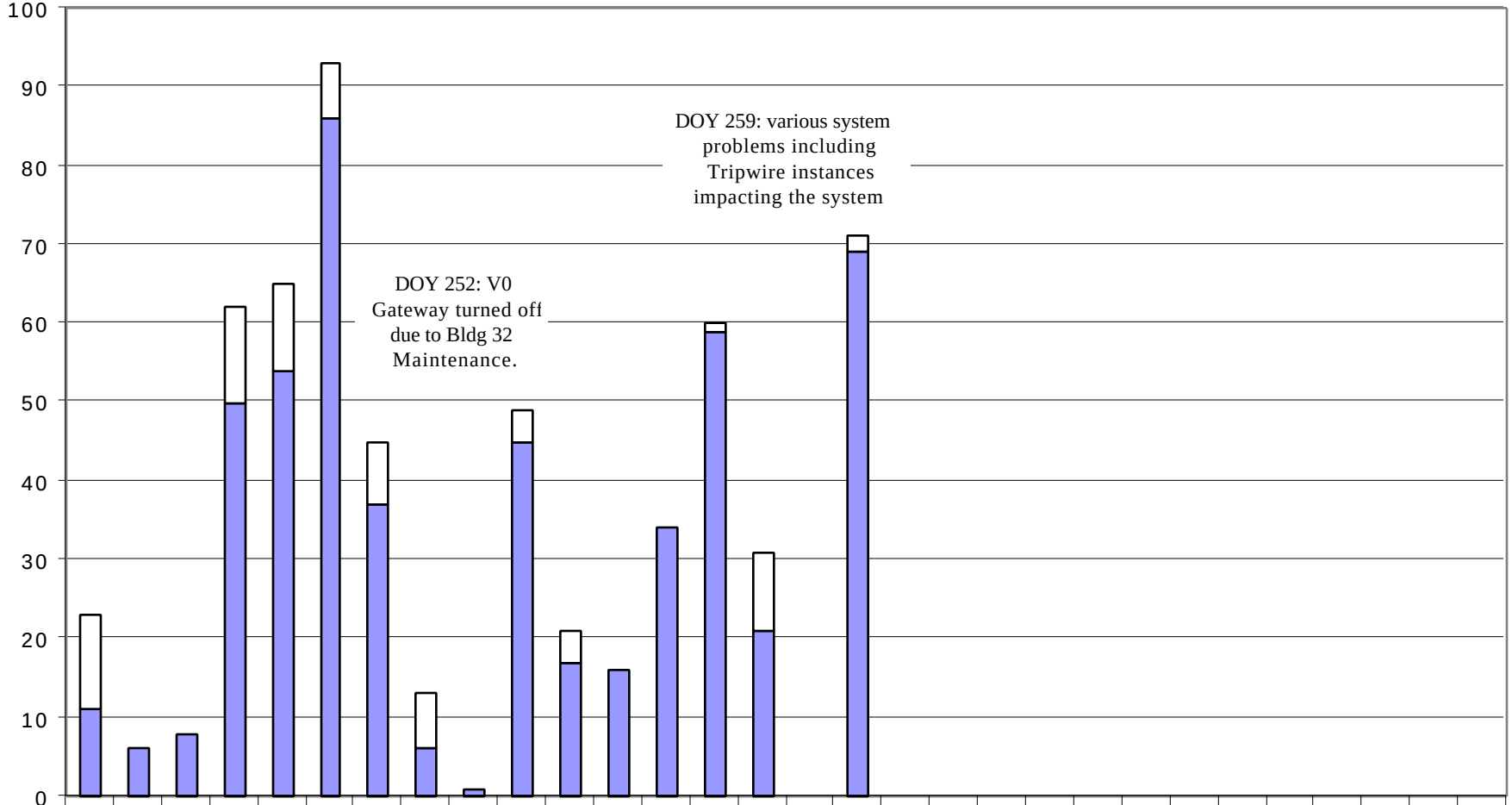
Monthly Average 16%



	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243
Failed	17	1	13	0	0	0	0	0	15	3	3	1	11	5	6	0	4	1	0	13	12	16	13	15	12	8	14	7	4	6	1
Successful	29	16	45	0	0	0	0	3	14	44	2	4	48	52	4	41	56	6	2	48	65	58	80	72	25	15	65	34	86	87	26

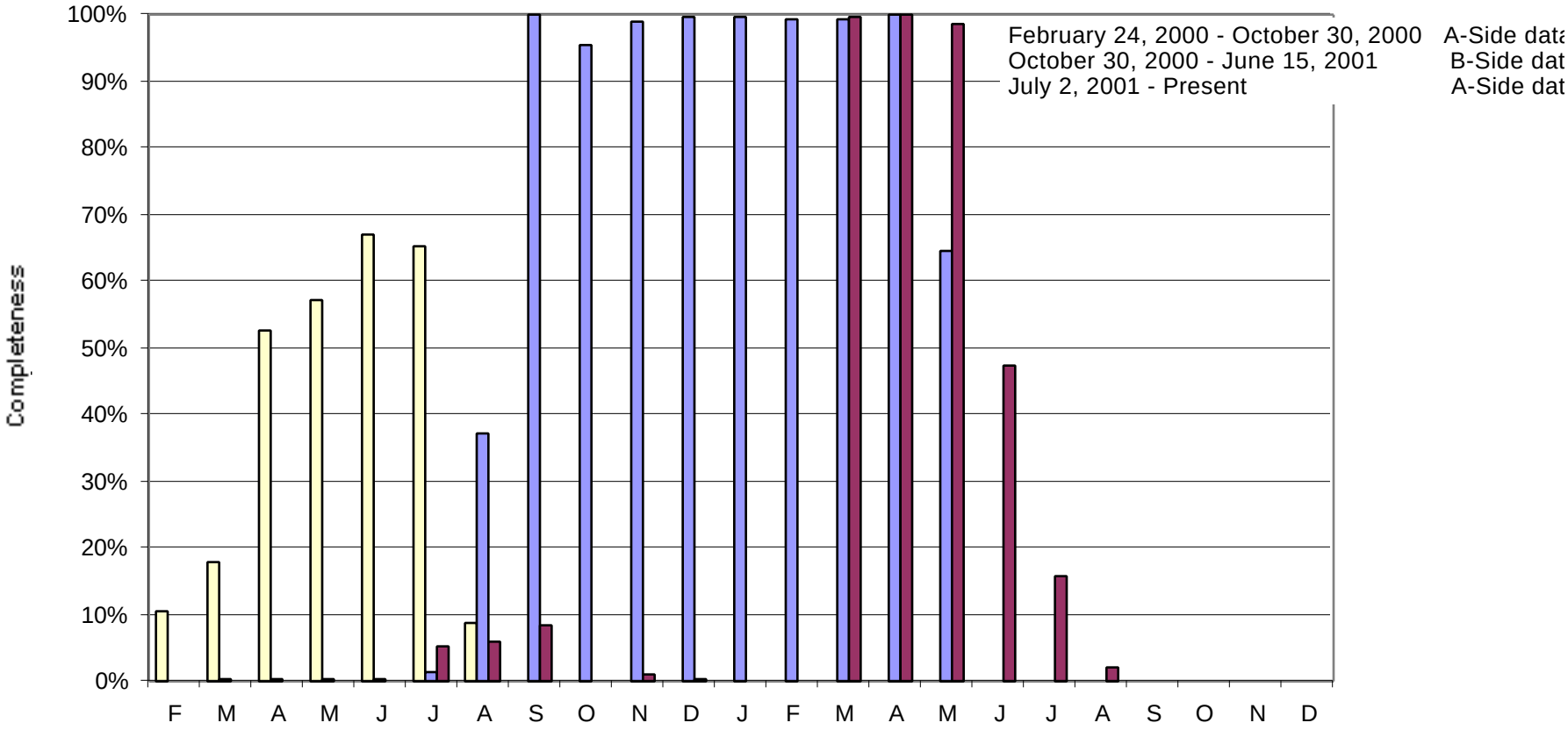
September 2001 Distribution Order Initial Failure Rates

Monthly Average 13%



	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273
Failed	12	0	0	12	11	7	8	7	0	4	4	0	0	1	10	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Successful	11	6	8	50	54	86	37	6	1	45	17	16	34	59	21	0	69	0	0	0	0	0	0	0	0	0	0	0	0	0

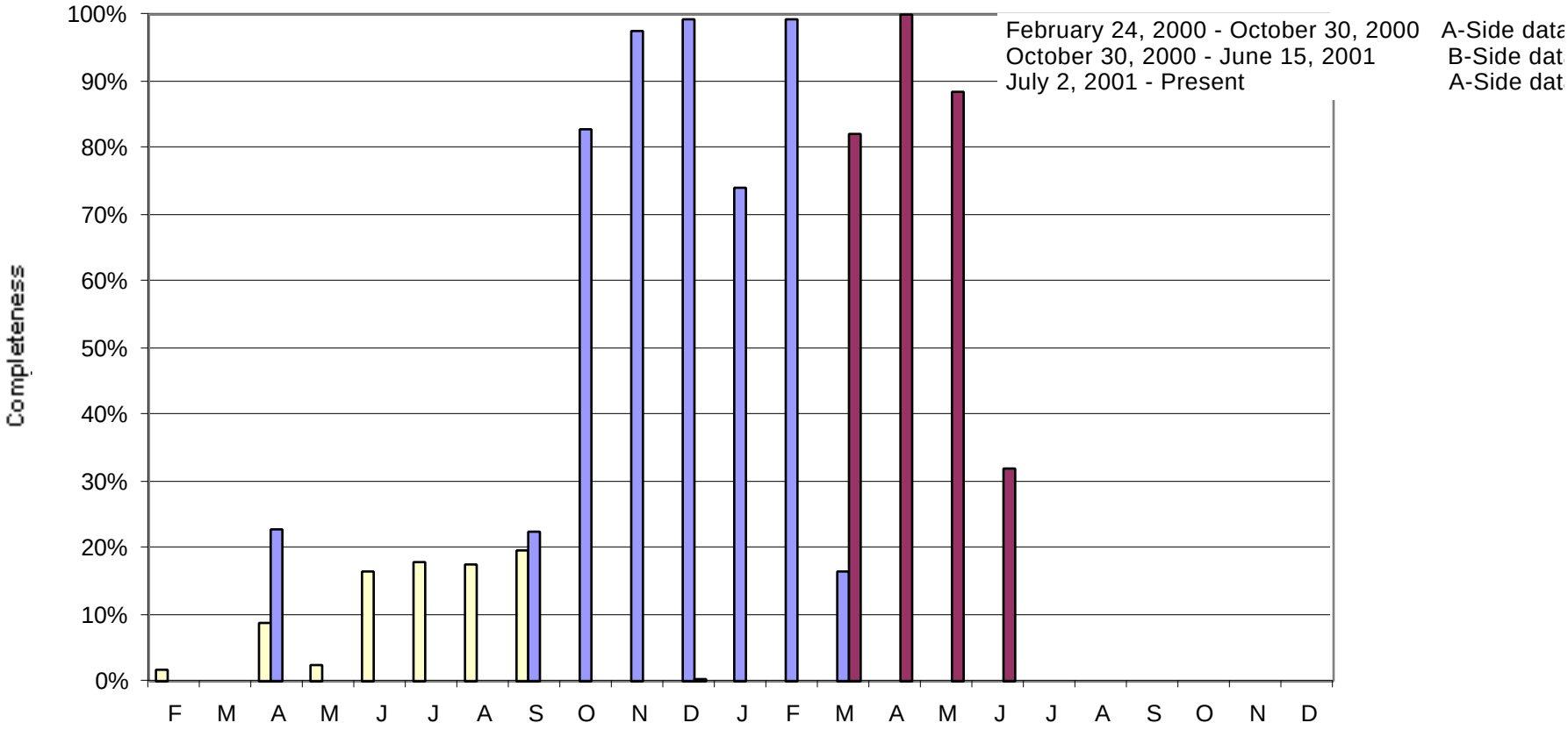
Availablity of Processed MODIS Level 1 Data
(based on processing completed up through cloud mask)



	Feb-00	Mar-00	Apr-00	May-00	Jun-00	Jul-00	Aug-00	Sep-00	Oct-00	Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	Apr-01	May-01	Jun-01	Jul-01	Aug-01	Sep-01	Oct-01	Nov-01	Dec-01
Calibration	10.6%	18.0%	52.8%	57.3%	67.1%	65.2%	8.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Beta	0.0%	0.3%	0.2%	0.4%	0.3%	1.4%	37.2%	99.9%	95.3%	98.9%	99.6%	99.8%	99.1%	99.3%	100.0	64.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Provisional	0.0%	0.0%	0.0%	0.0%	0.0%	5.2%	6.1%	8.3%	0.0%	0.9%	0.2%	0.1%	0.1%	99.7%	100.0	98.7%	47.2%	15.7%	2.1%	0.0%	0.0%	0.0%	0.0%

Note Calibration data is not orderable by external customers.

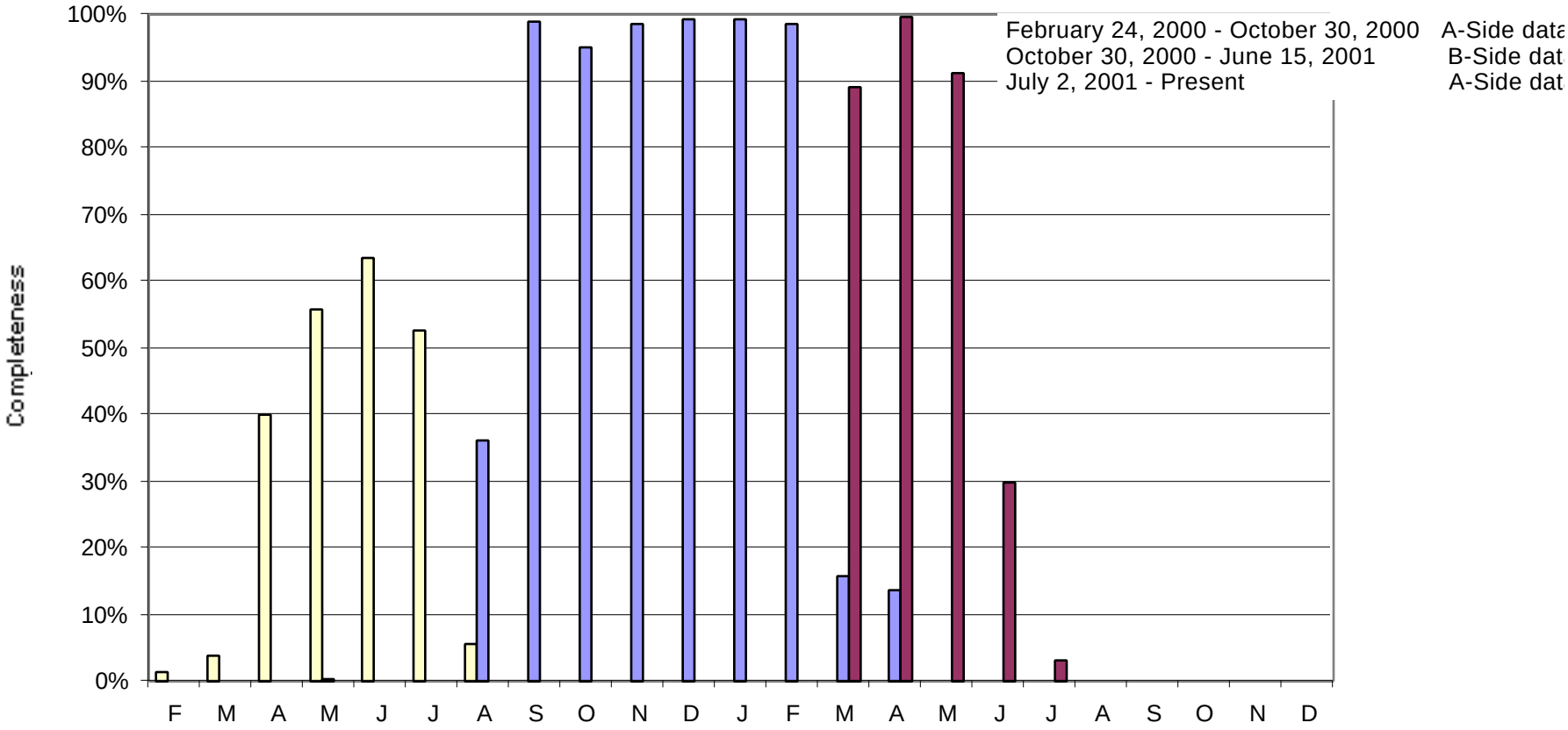
Availablity of Processed MODIS Level 2 Ocean SST
(based on processing completed up through Sea Surface Temperature)



	Feb-00	Mar-00	Apr-00	May-00	Jun-00	Jul-00	Aug-00	Sep-00	Oct-00	Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	Apr-01	May-01	Jun-01	Jul-01	Aug-01	Sep-01	Oct-01	Nov-01	Dec-01
Calibration	1.8%	0.0%	8.9%	2.5%	16.3%	18.1%	17.5%	19.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Beta	0.0%	0.1%	22.8%	0.1%	0.1%	0.0%	0.0%	22.5%	82.7%	97.6%	99.4%	74.1%	99.1%	16.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Provisional	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%	0.1%	0.1%	82.1%	99.9%	88.4%	32.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Note Calibration data is not orderable by external customers.

Availablity of Processed MODIS Level 2 Atmospheres Data
(based on processing completed up through Cloud Products)



	Feb-00	Mar-00	Apr-00	May-00	Jun-00	Jul-00	Aug-00	Sep-00	Oct-00	Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	Apr-01	May-01	Jun-01	Jul-01	Aug-01	Sep-01	Oct-01	Nov-01	Dec-01
Calibration	1.6%	3.9%	40.0%	55.6%	63.7%	52.5%	5.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Beta	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	36.3%	99.1%	95.1%	98.5%	99.2%	99.3%	98.5%	15.7%	13.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Provisional	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	89.0%	99.8%	91.2%	30.0%	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%

Note Calibration data is not orderable by external customers.