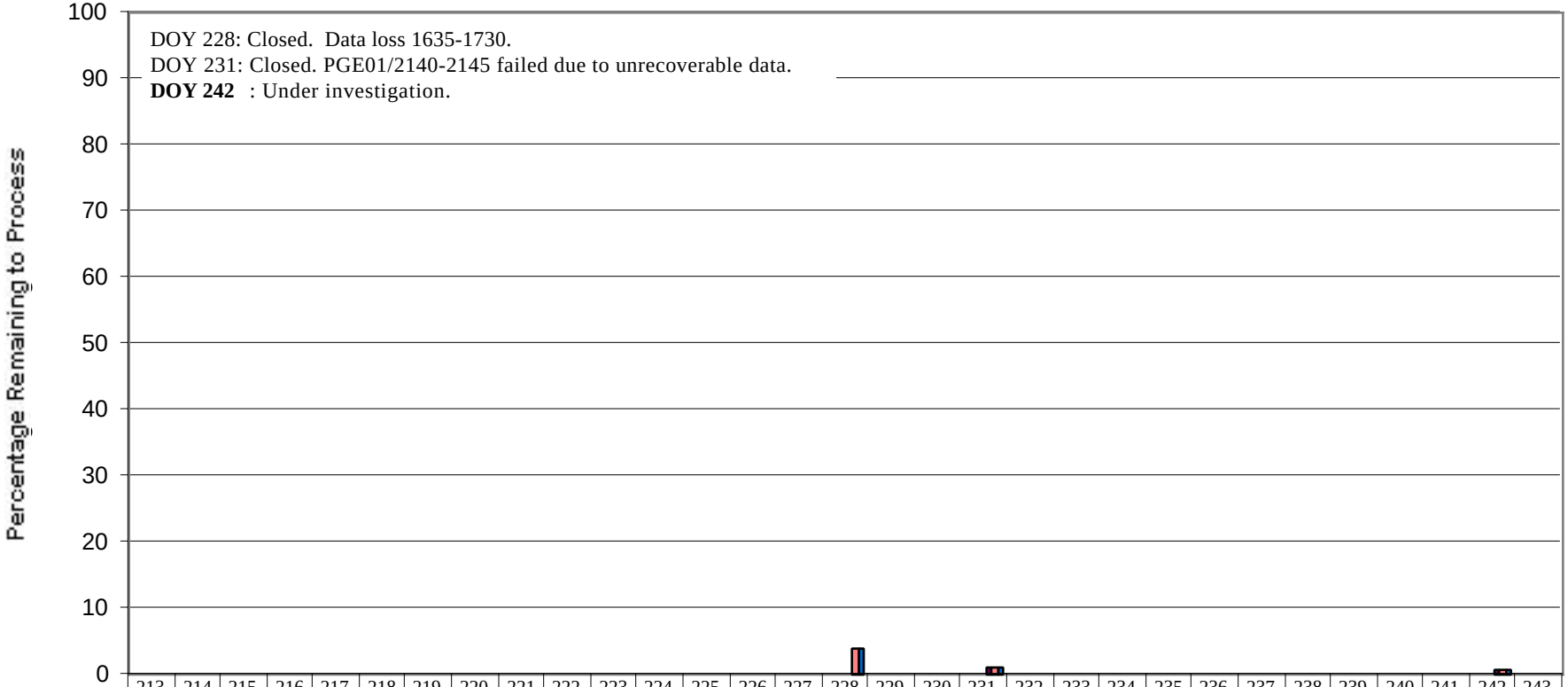
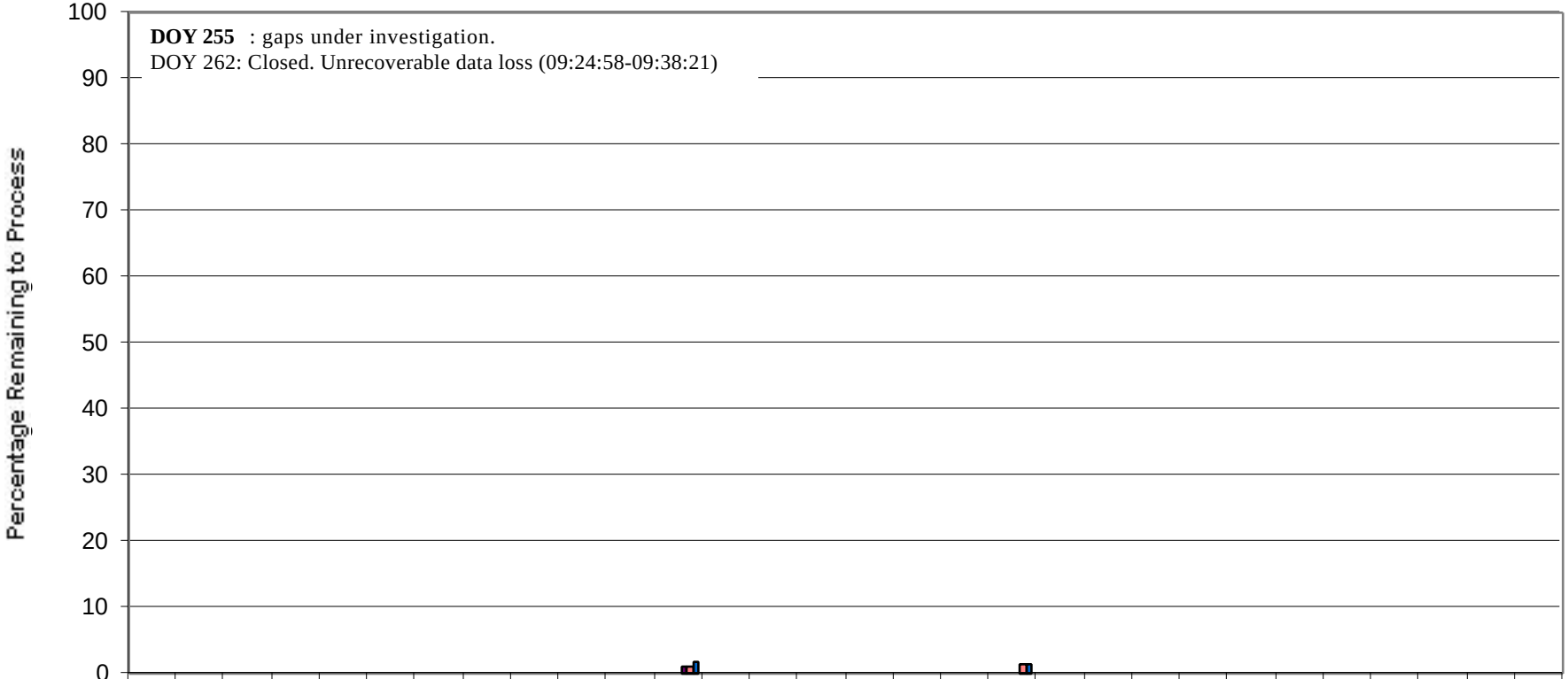
GDAAC Workload
August 2001



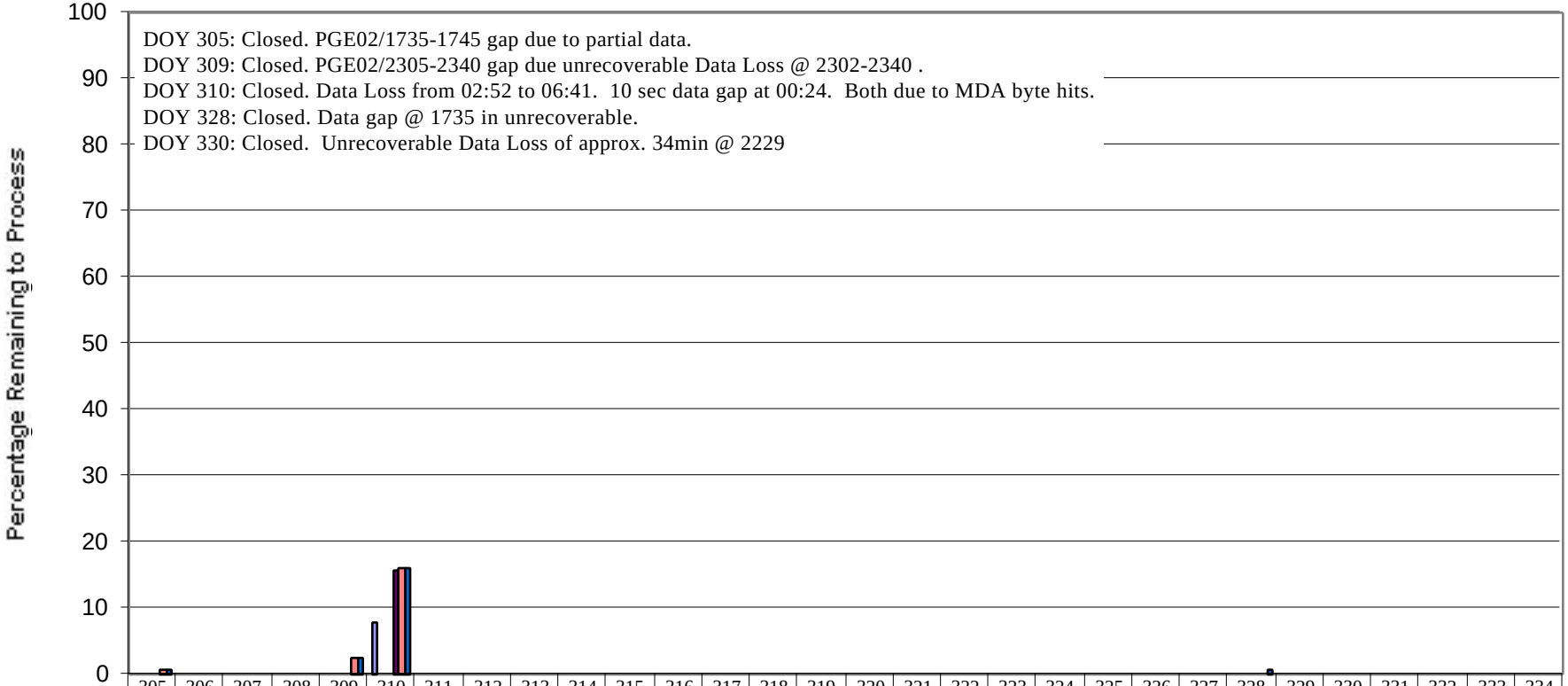
	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243
APID64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APID04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	1	0	0	0	0	0	0	0	0	0	0	1	0
PGE02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
PGE03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0

GDAAC Workload
September 2001



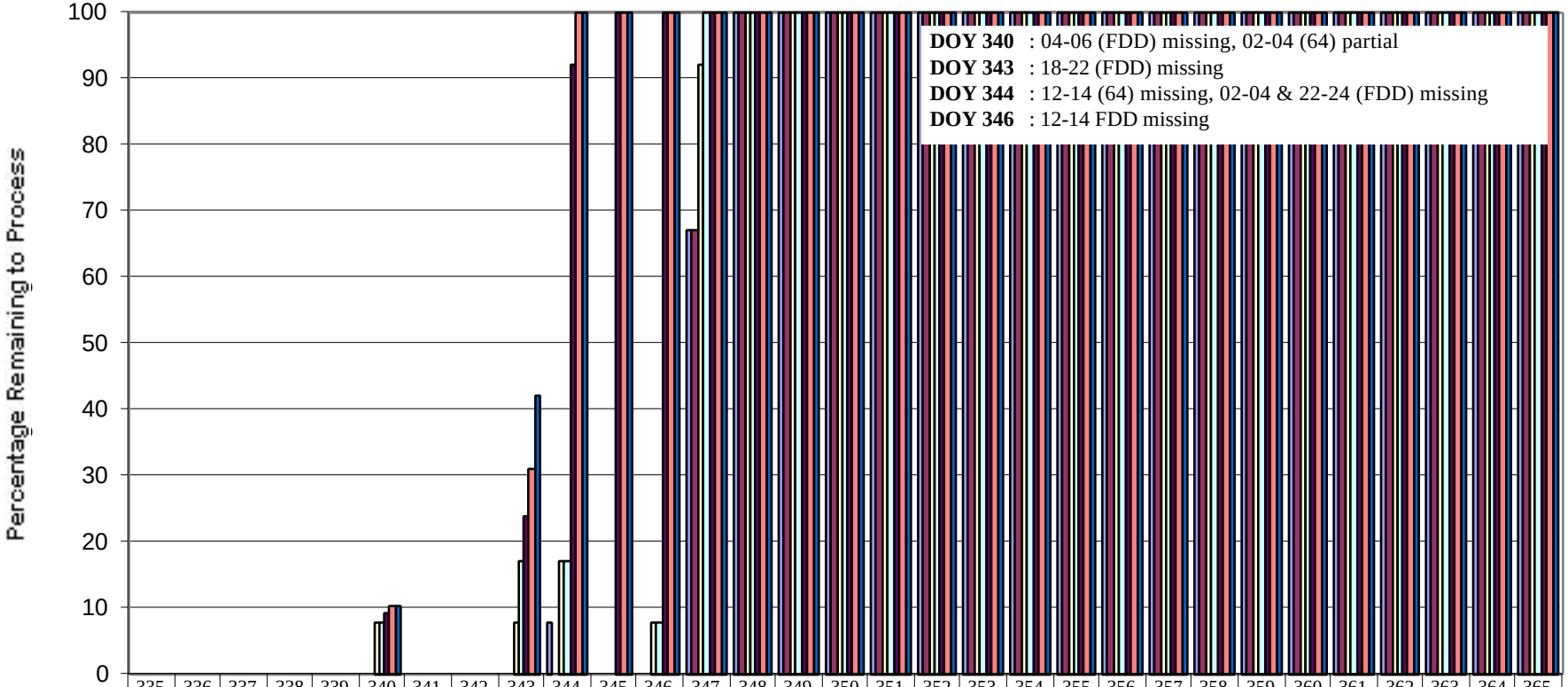
	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273
APID64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APID04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	1	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	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
PGE03	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0

GDAAC Workload
November 2001



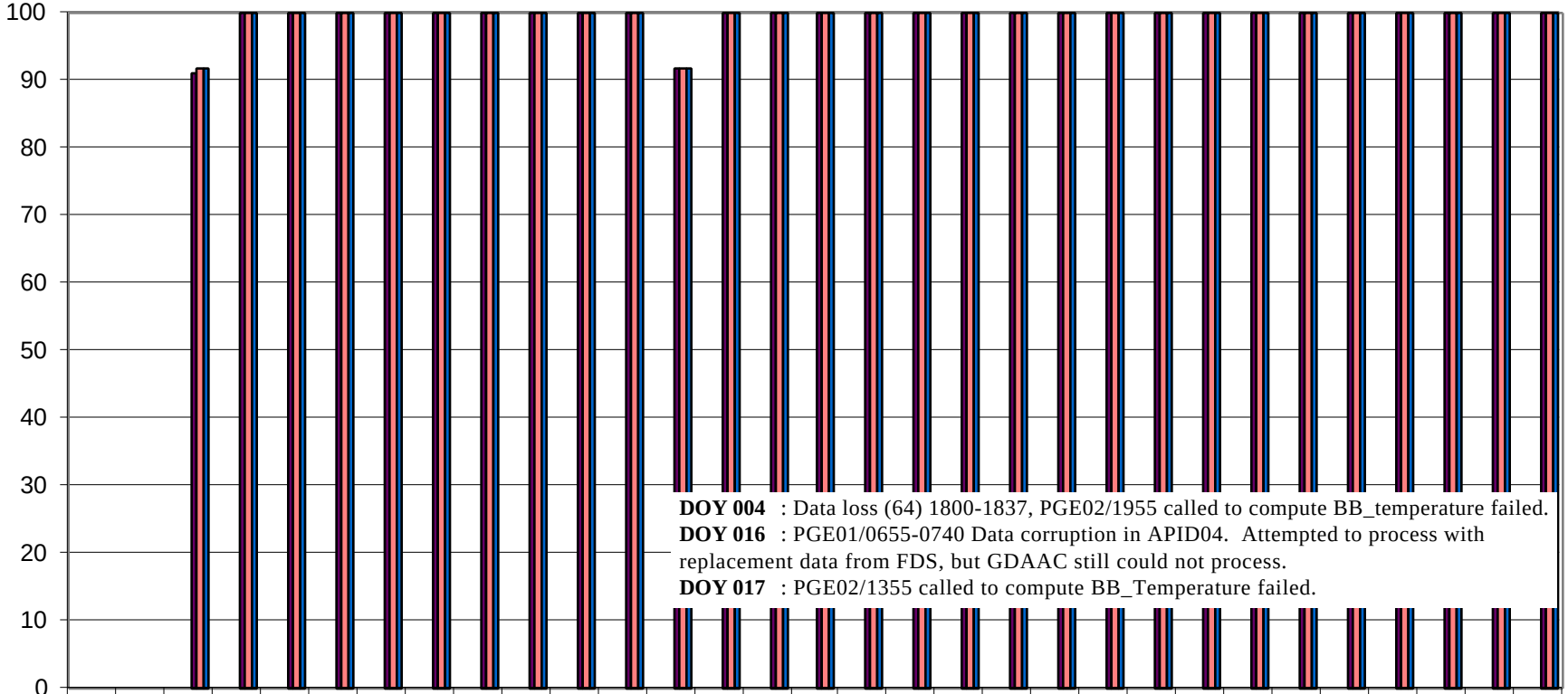
	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334
APID64	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APID04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	16	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	1	0	0	0	2	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGE03	1	0	0	0	2	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0

GDAAC Workload
December 2001



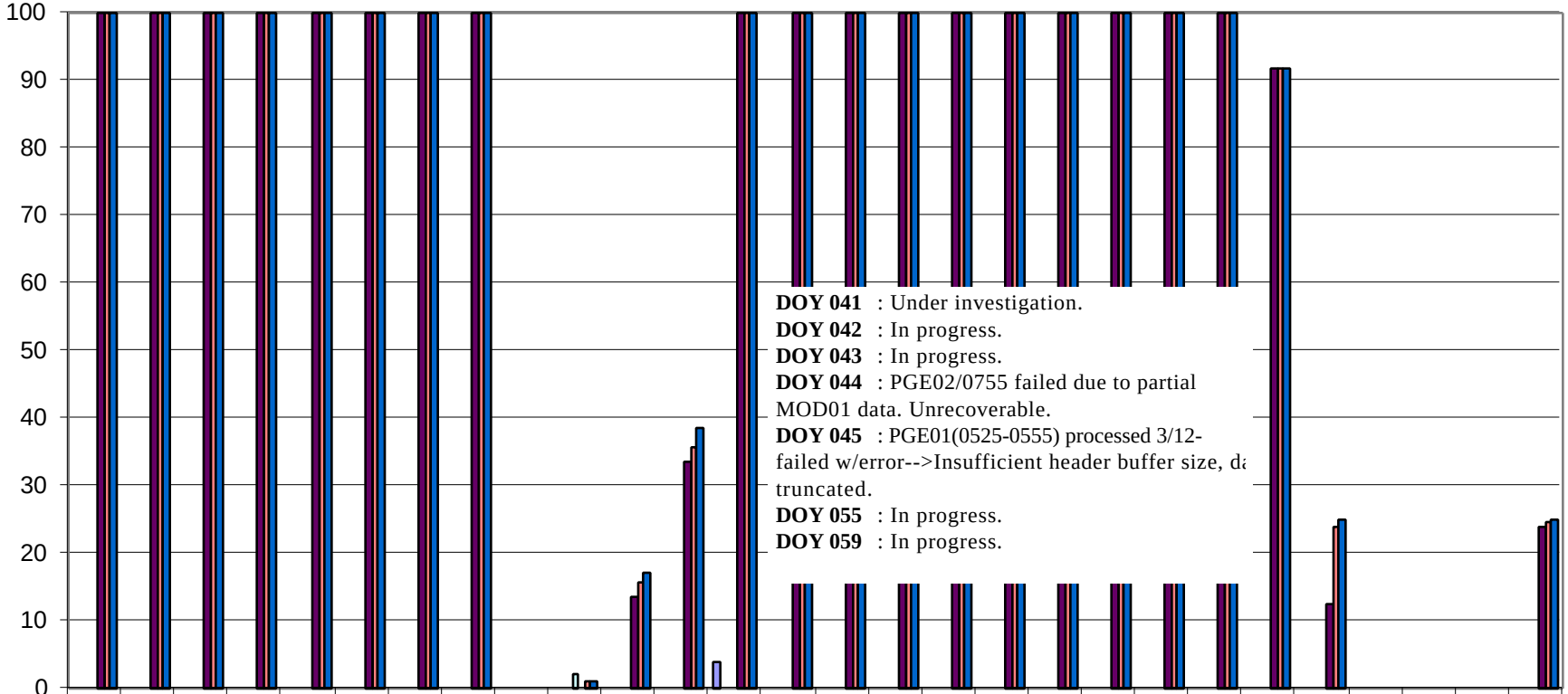
	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365
APID64	0	0	0	0	0	0	0	0	0	8	0	0	67	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
APID04	0	0	0	0	0	0	0	0	0	0	0	0	67	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
FDD	0	0	0	0	0	8	0	0	8	17	0	8	92	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
DPREP	0	0	0	0	0	8	0	0	17	17	0	8	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PGE01	0	0	0	0	0	9	0	0	24	92	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PGE02	0	0	0	0	0	10	0	0	31	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PGE03	0	0	0	0	0	10	0	0	42	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

GDAAC Reprocessing Workload
January 2000



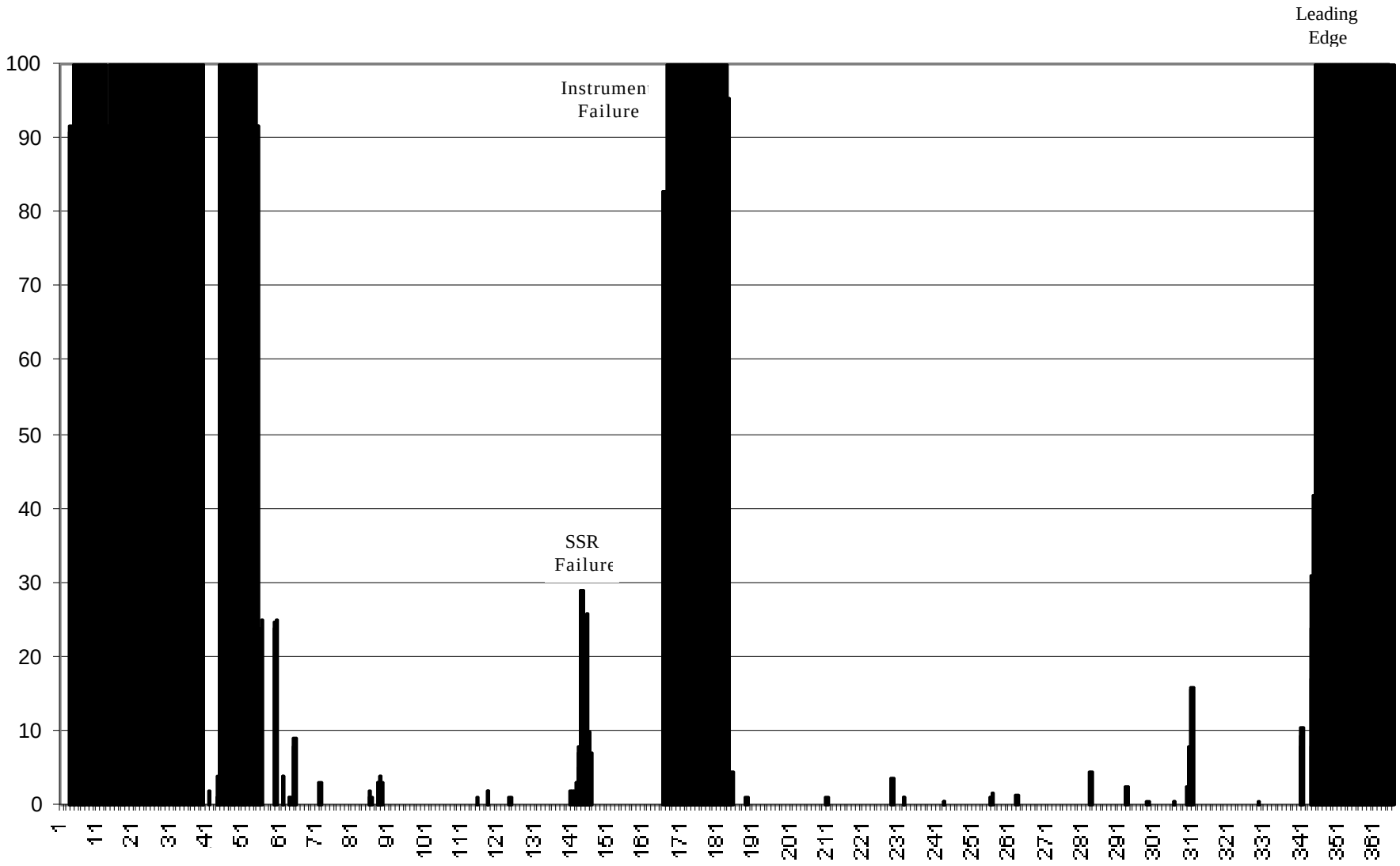
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
APID64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APID04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPREP	0	0	0	0	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	91	100	100	100	100	100	100	100	100	100	92	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PGE02	0	0	92	100	100	100	100	100	100	100	100	100	92	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PGE03	0	0	92	100	100	100	100	100	100	100	100	100	92	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

GDAAC Reprocessing Workload
February 2000



	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
APID64	0	0	0	0	0	0	0	0	0	0	0	0	4	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
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
DPREP	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	0
PGE01	100	100	100	100	100	100	100	100	0	0	14	34	100	100	100	100	100	100	100	100	100	100	92	13	0	0	0	24
PGE02	100	100	100	100	100	100	100	100	0	1	16	36	100	100	100	100	100	100	100	100	100	100	92	24	0	0	0	25
PGE03	100	100	100	100	100	100	100	100	0	1	17	39	100	100	100	100	100	100	100	100	100	100	92	25	0	0	0	25

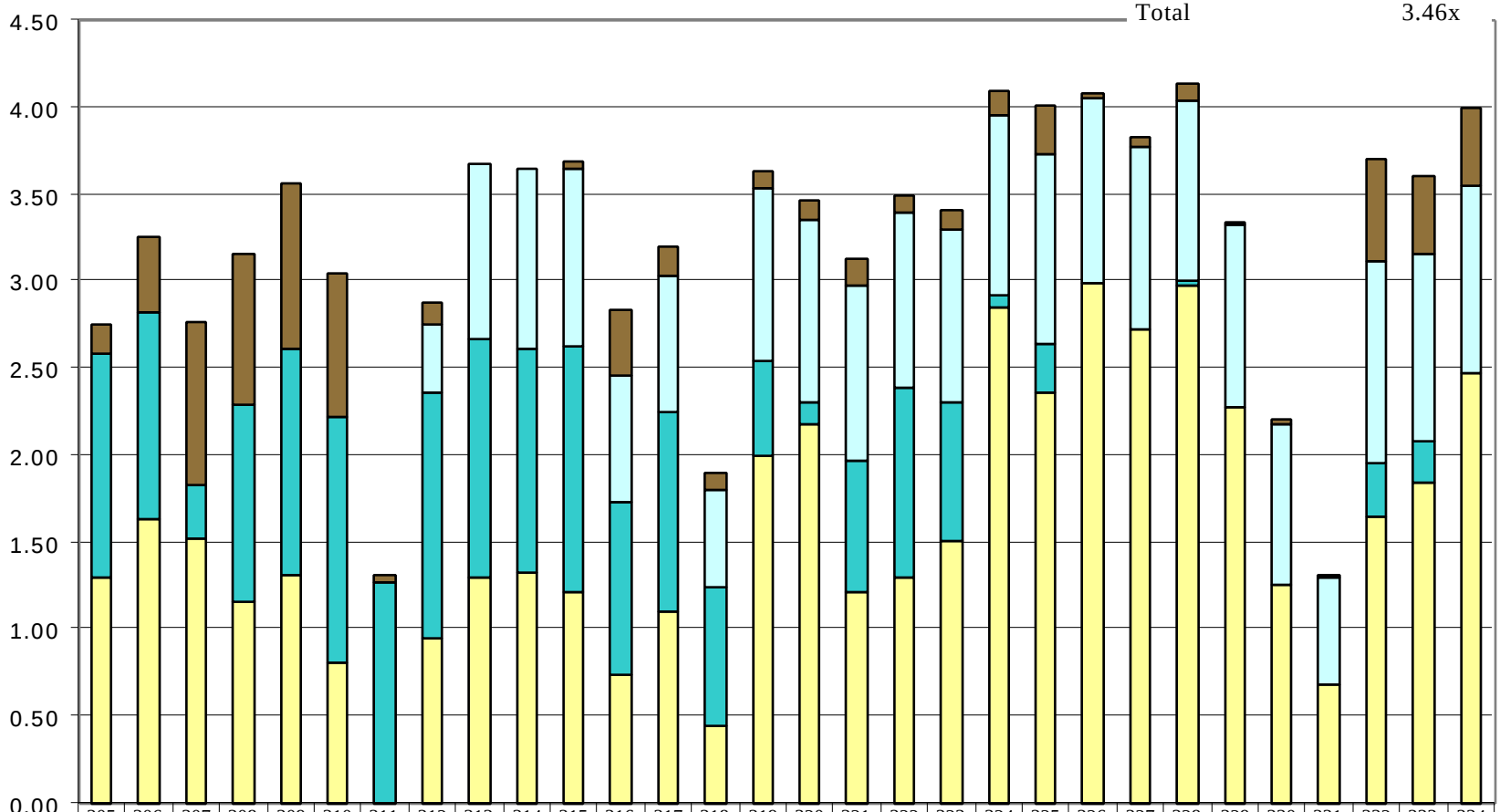
GDAAC Workload
Collection 003 for 2001



Note:During the latter half of November data streams w juggled between the various processing elements to support changing data priorities and therefore do not necesserily reflect progress on the designate stream. The overall rates are accurately reflected.

GDAAC Total Performance
November 2001

Average X-Rates	
S4PM-Reprocessing	1.57x
S4PM-Forward	0.69x
S4PM (SPG01)	0.94x
PDPS	0.26x
Total	3.46x

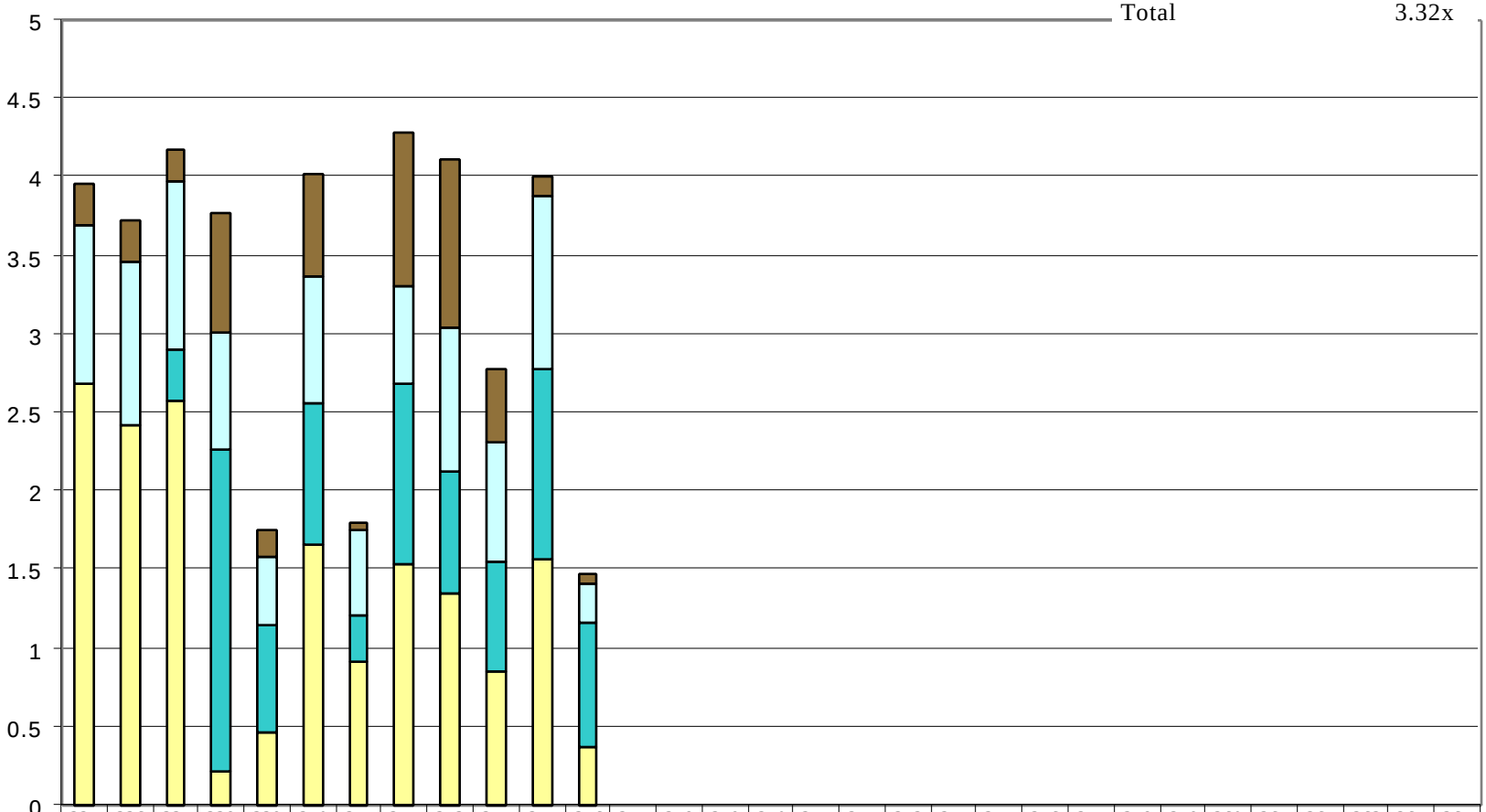


	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334
PDPS	0.17	0.42	0.93	0.88	0.95	0.83	0.04	0.13	0.00	0.01	0.04	0.38	0.17	0.11	0.10	0.11	0.15	0.09	0.10	0.13	0.28	0.03	0.05	0.10	0.01	0.02	0.01	0.59	0.44	0.44
S4PM (SPG01)								0.39	1.01	1.03	1.02	0.72	0.78	0.55	1.00	1.05	1.00	1.02	1.00	1.04	1.09	1.05	1.05	1.03	1.05	0.93	0.62	1.15	1.08	1.07
S4PM Forward	1.28	1.20	0.31	1.13	1.30	1.41	1.27	1.41	1.36	1.29	1.42	1.00	1.16	0.79	0.54	0.12	0.76	1.08	0.79	0.07	0.28	0.00	0.00	0.03	0.00	0.00	0.00	0.31	0.24	0
S4PM Reprocessing	1.30	1.63	1.52	1.16	1.31	0.81	0.00	0.95	1.30	1.32	1.21	0.74	1.10	0.45	1.99	2.18	1.21	1.30	1.51	2.85	2.36	2.99	2.73	2.97	2.28	1.25	0.69	1.65	1.84	2.48

Note:During the early part of December data streams w
juggled between the various processing elements to
support changing data priorities and therefore do not
necesserily reflect progress on the designate stream.
The overall rates are accurately reflected.

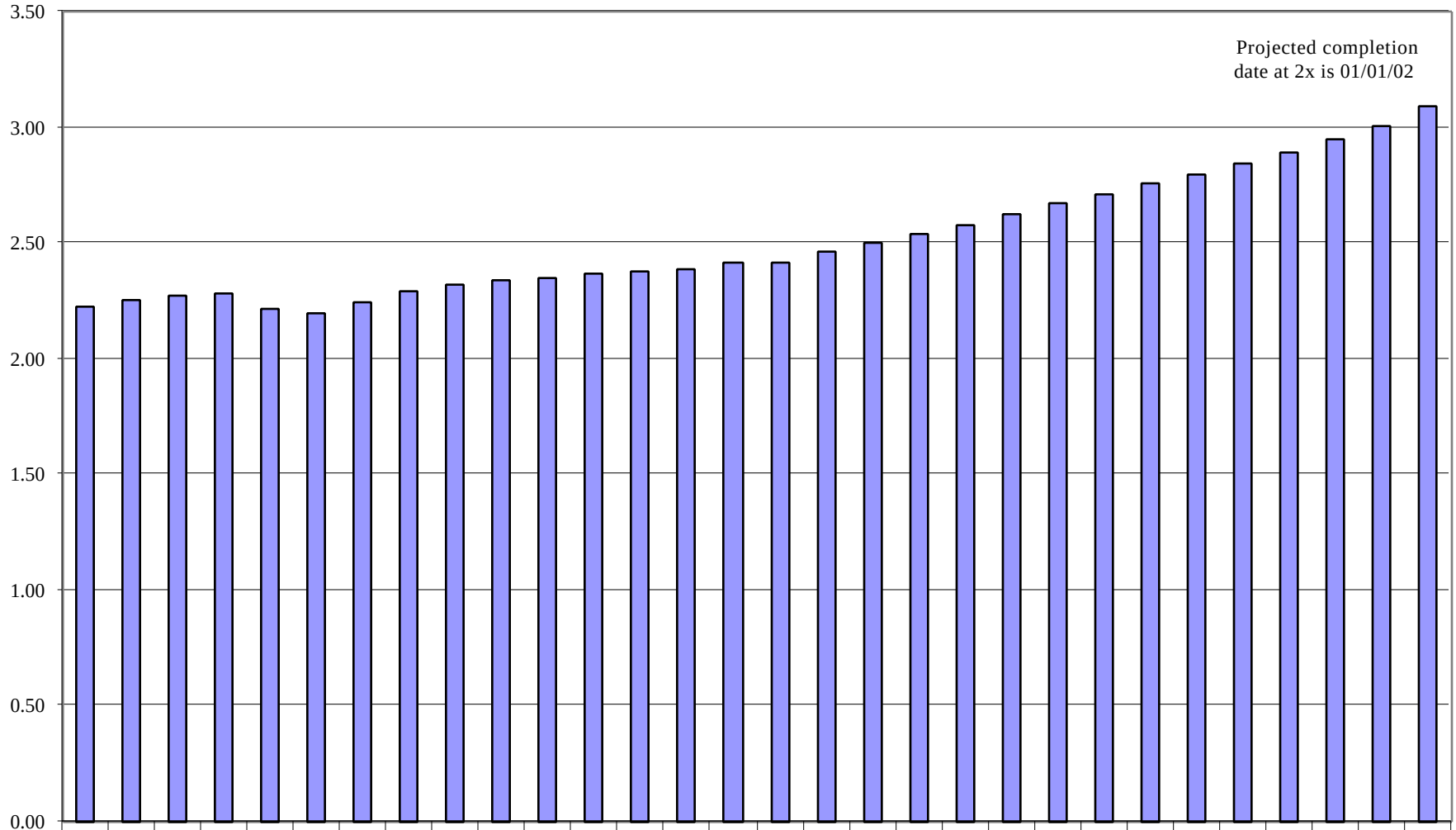
GDAAC Total Performance
December 2001

Average X-Rates	
S4PM-Reprocessing	1.39x
S4PM-Forward	0.74x
S4PM (SPG01)	0.77x
PDPS	0.42x
Total	3.32x



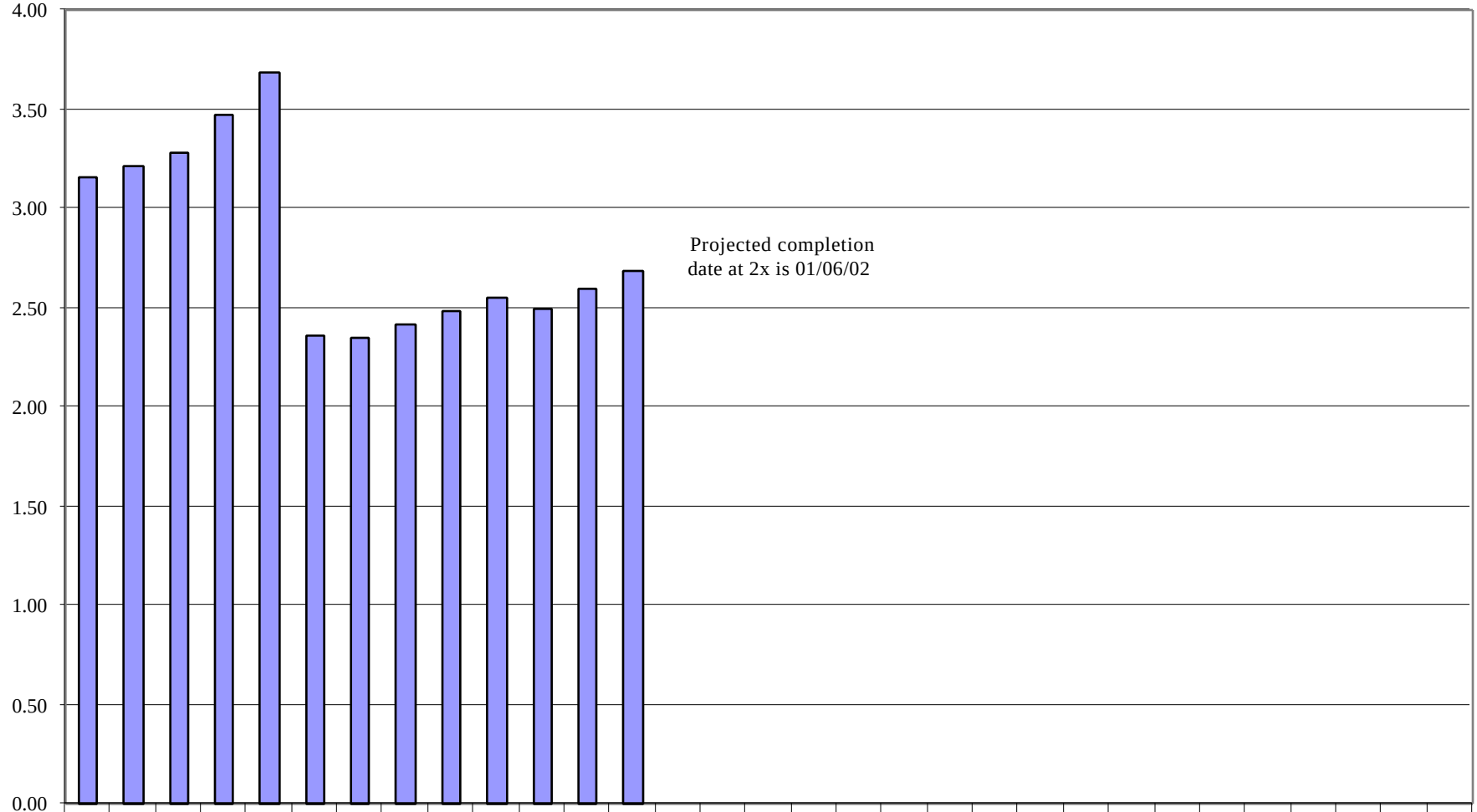
	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365
PDPS	0.26	0.27	0.19	0.75	0.16	0.65	0.05	0.99	1.07	0.47	0.12	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4PM (SPG01)	1.01	1.03	1.07	0.75	0.44	0.81	0.54	0.61	0.92	0.76	1.1	0.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4PM Forward	0	0	0.33	2.06	0.69	0.9	0.3	1.16	0.78	0.69	1.21	0.79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4PM Reprocessing	2.69	2.43	2.58	0.21	0.46	1.66	0.91	1.53	1.35	0.86	1.57	0.38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Needed average reprocessing X-Rate to meet Nov-Dec 2000, July-Sept 2001, and Jan-Feb2001 Goal by Dec 21, 2001
November 2000



	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
X-rate	2.23	2.25	2.27	2.28	2.22	2.20	2.24	2.29	2.32	2.34	2.35	2.37	2.38	2.39	2.42	2.42	2.46	2.50	2.54	2.58	2.63	2.67	2.72	2.76	2.80	2.84	2.90	2.95	3.01	3.09

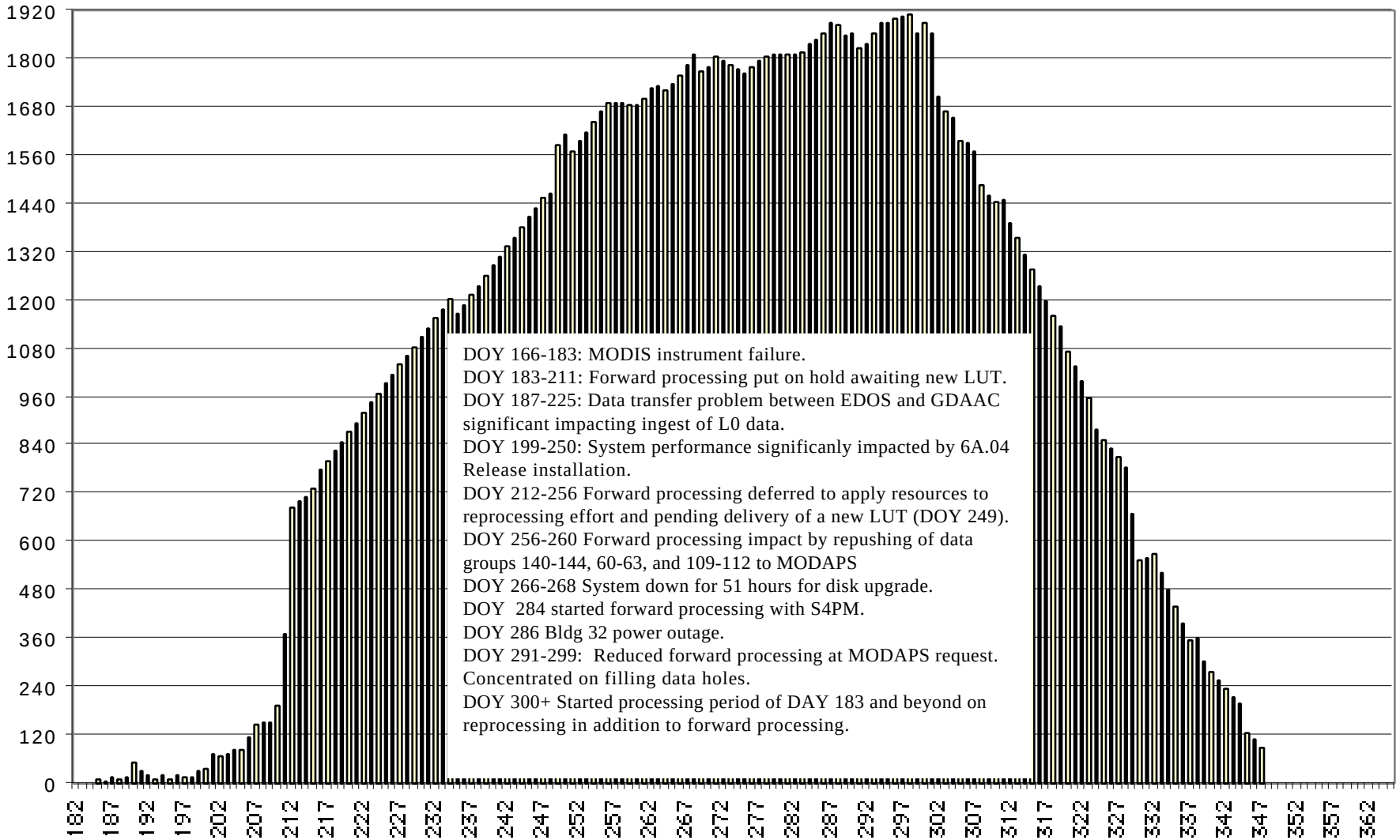
Needed average reprocessing X-Rate to meet Nov-Dec 2000, July-Sept 2001, and Jan-Feb2001 Goal by Dec 21, 2001
Goal revised to 12/31/01 on DOY 340.
December 2000



	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365
X-rate	3.15	3.22	3.28	3.47	3.69	2.36	2.35	2.42	2.48	2.55	2.50	2.59	2.68																		

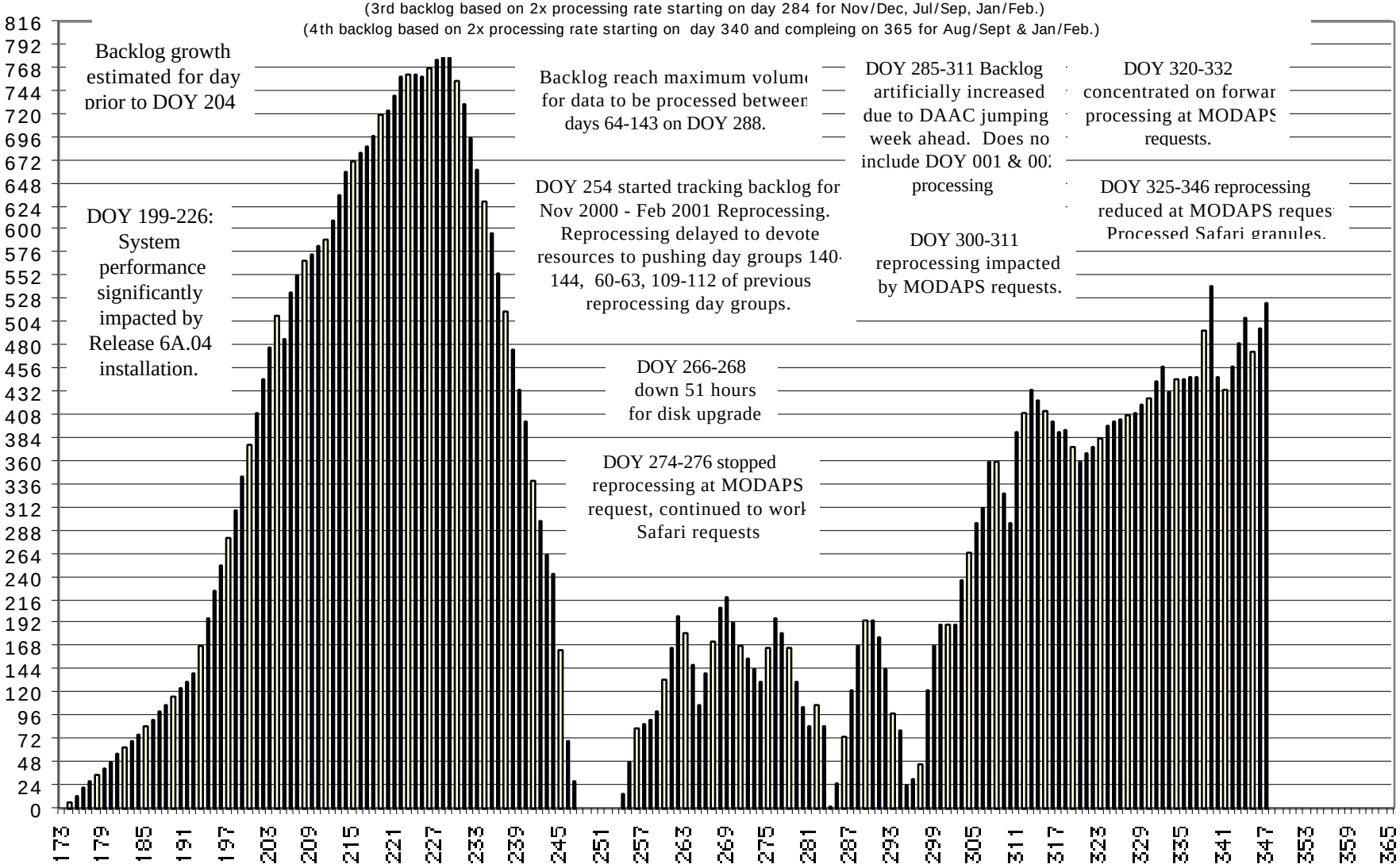
July-December 2001 PGE Backlog

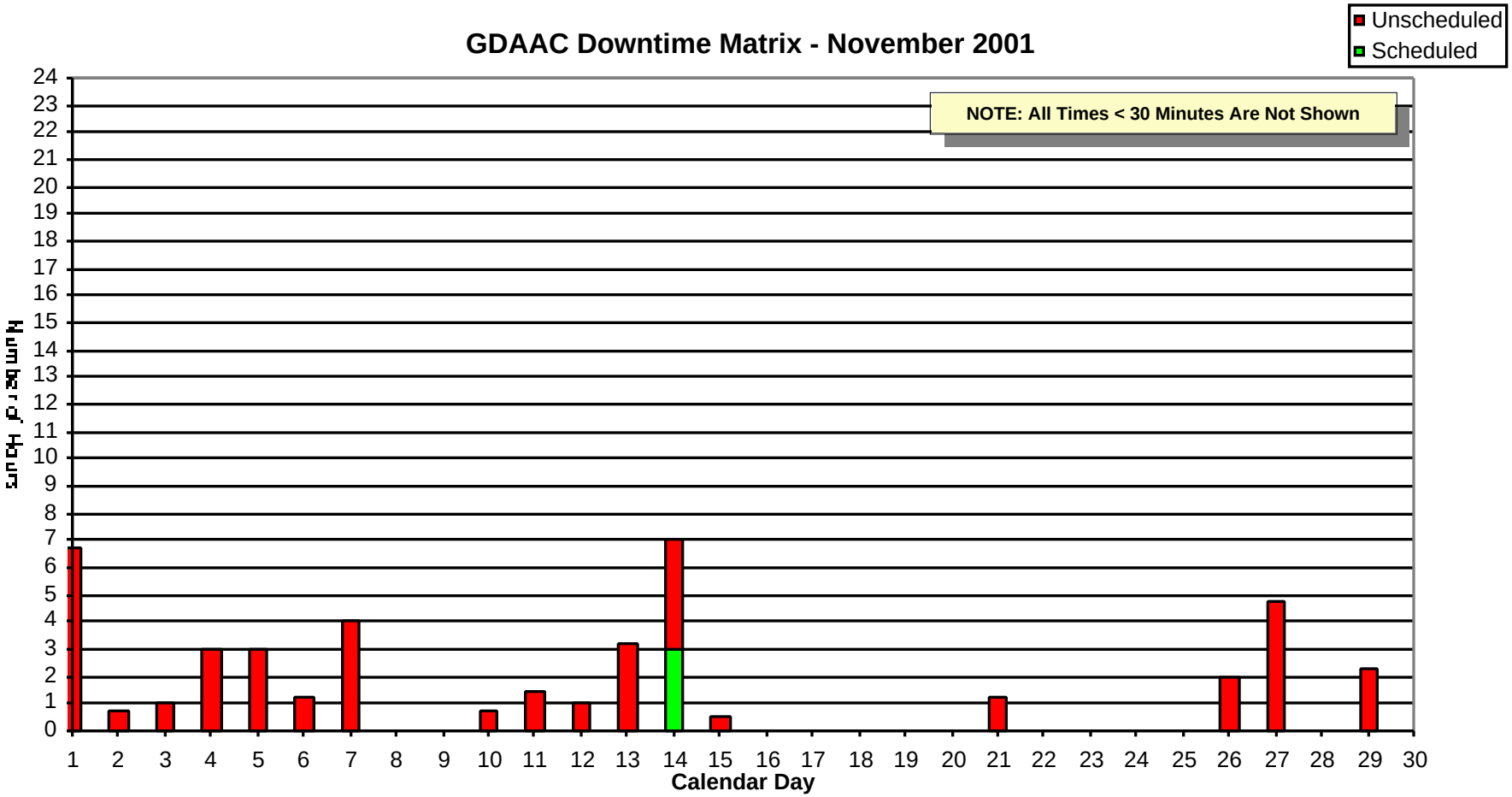
Recalculated backlog on DOY 212 to include reprocessing from data day 183-212 with new LUT, plus hours to complete days 142-1
Reset all days since DOY 183 that were processed before the new LUT was delivered on DOY 250.



2001 Reprocessing Backlog

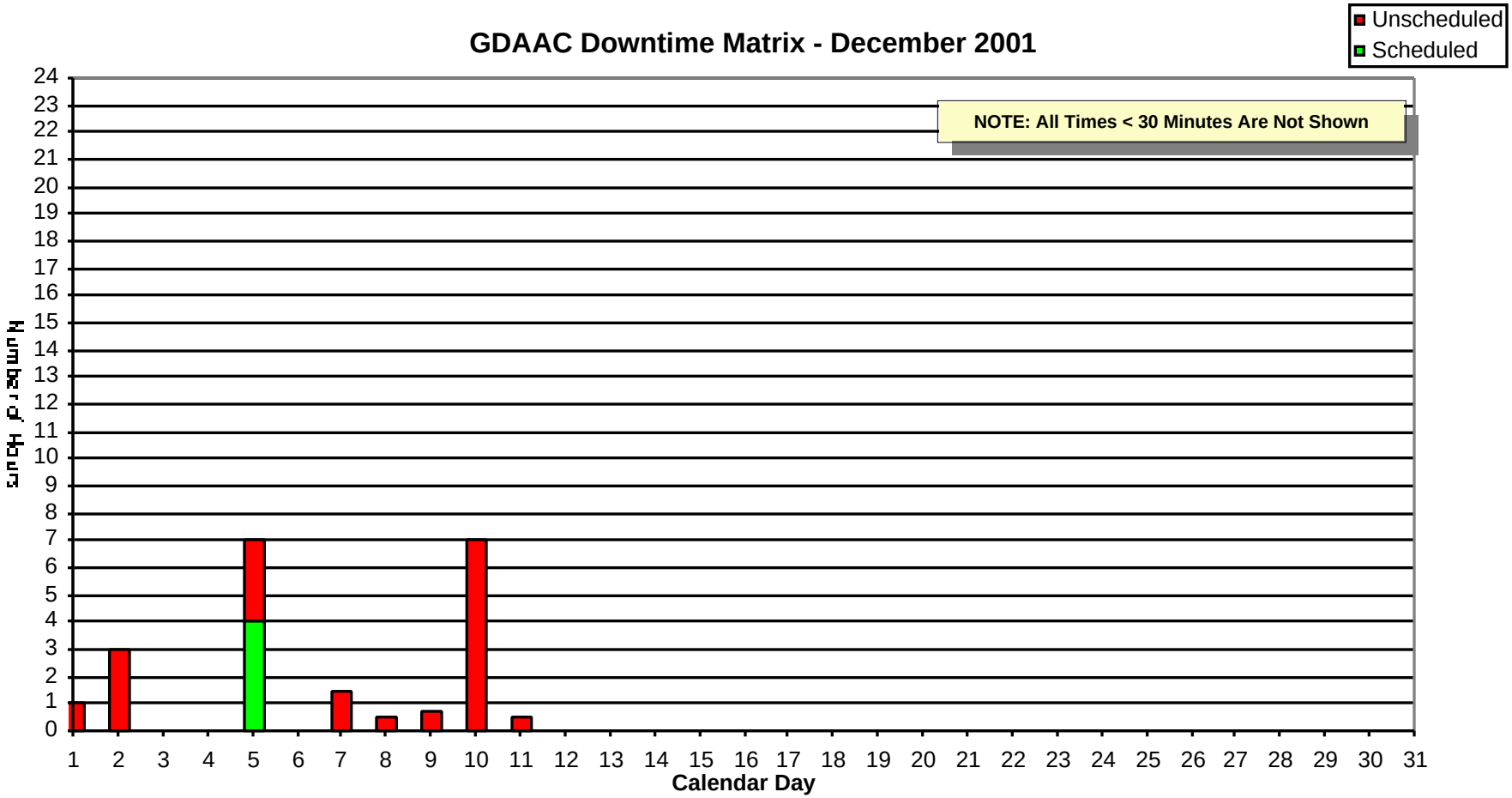
(Based on 1.4x processing rate starting on day 173 for data days 64-143.)
(2nd backlog based on 1.4x processing rate starting on day 253 for data days 305,2000-001, 2001.)
(3rd backlog based on 2x processing rate starting on day 284 for Nov/Dec, Jul/Sep, Jan/Feb.)
(4th backlog based on 2x processing rate starting on day 340 and compleing on 365 for Aug/Sept & Jan/Feb.)





11/01 – Distribution, User Order, AMASS, and Ingest issues
11/02 – Distribution issues
11/03 – Distribution issues
11/04 – AMASS and Ingest issues
11/05 – AMASS, Ingest, and Distribution issues
11/06 – Distribution, and AMASS issues
11/07 – SDSRV, AMASS issues
11/10 – Distribution issues
11/11 – Distribution issues

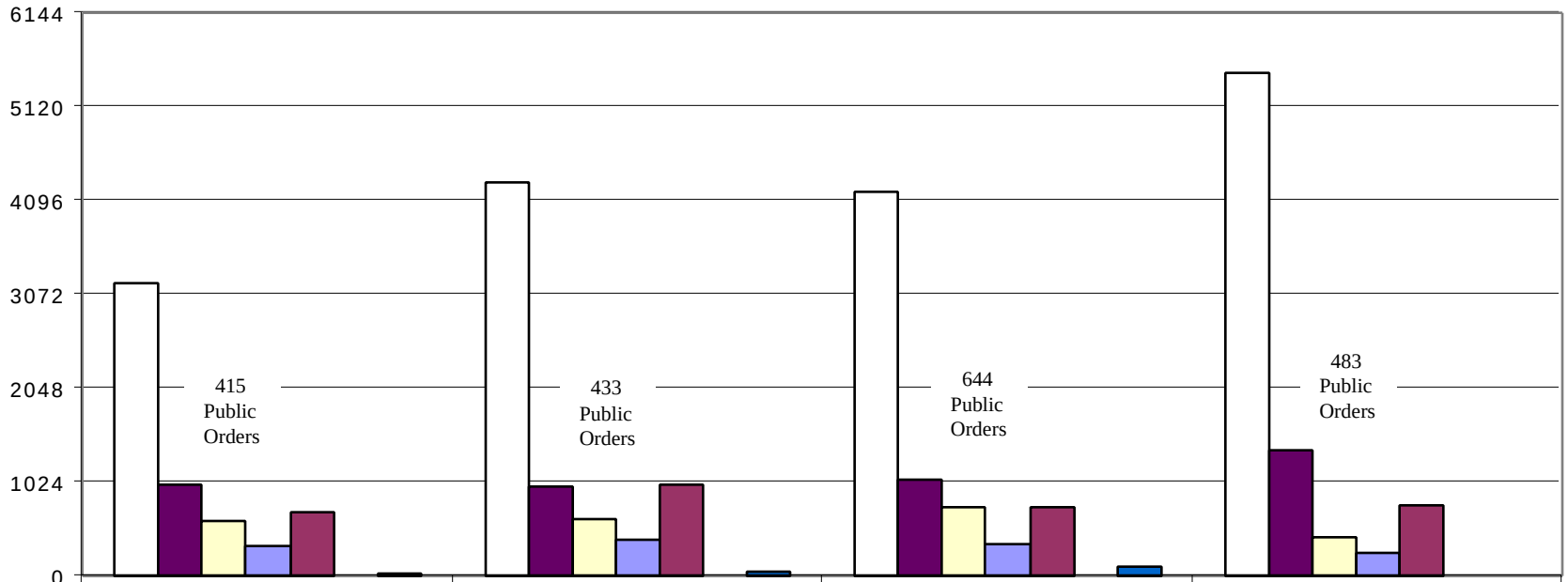
11/12 – Distribution issues
11/13 – Distribution issues
11/14 – System Maintenance
11/15 – PDPS issues
11/21 – Distribution issues
11/26 – SDSRV issues
11/27 – SDSRV, Distribution and hardware issues
11/29 – SDSRV and Distribution issues



12/01 – AMASS and Distribution issues
12/02 – AMASS and SDSRV issues
12/05 – System Maintenance, Ingest issues
12/07 – AMASS and Ingest issues

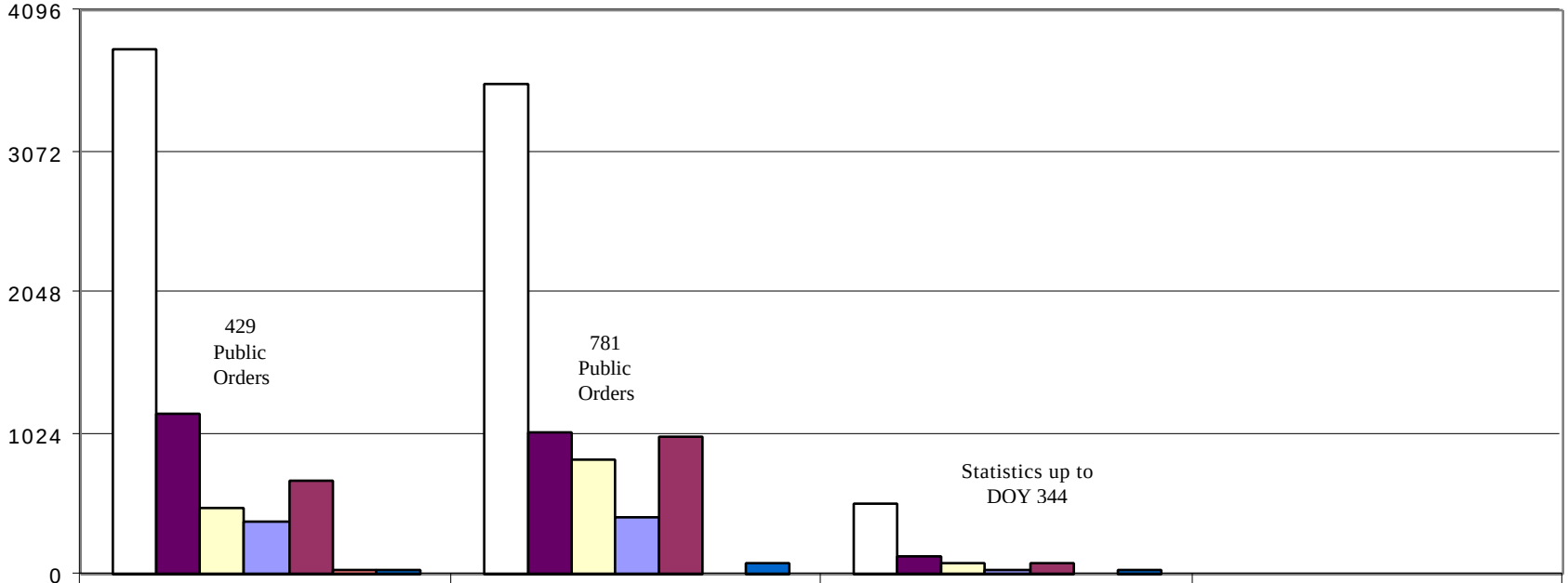
12/08 – Distribution and Ingest issues
12/09 – Storage Management issues
12/10 – UPS Failure, Ingest issues
12/11 - Distribution issues

GDAAC Weekly Totals
November 2001
(GB)



	302-308	309-315	316-322	323-329
MODAPS	3189.86	4287.96	4203.64	5489.29
QA	1010.65	966.92	1057.81	1366.64
Public	592.64	631.41	747.85	436.51
MCST	330.36	409.82	354.83	240.11
Other	694.44	989.33	743.34	769.66
Testing	3.8	0.52	0.51	0.37
PDS	32.98	61.5	92.77	5.81

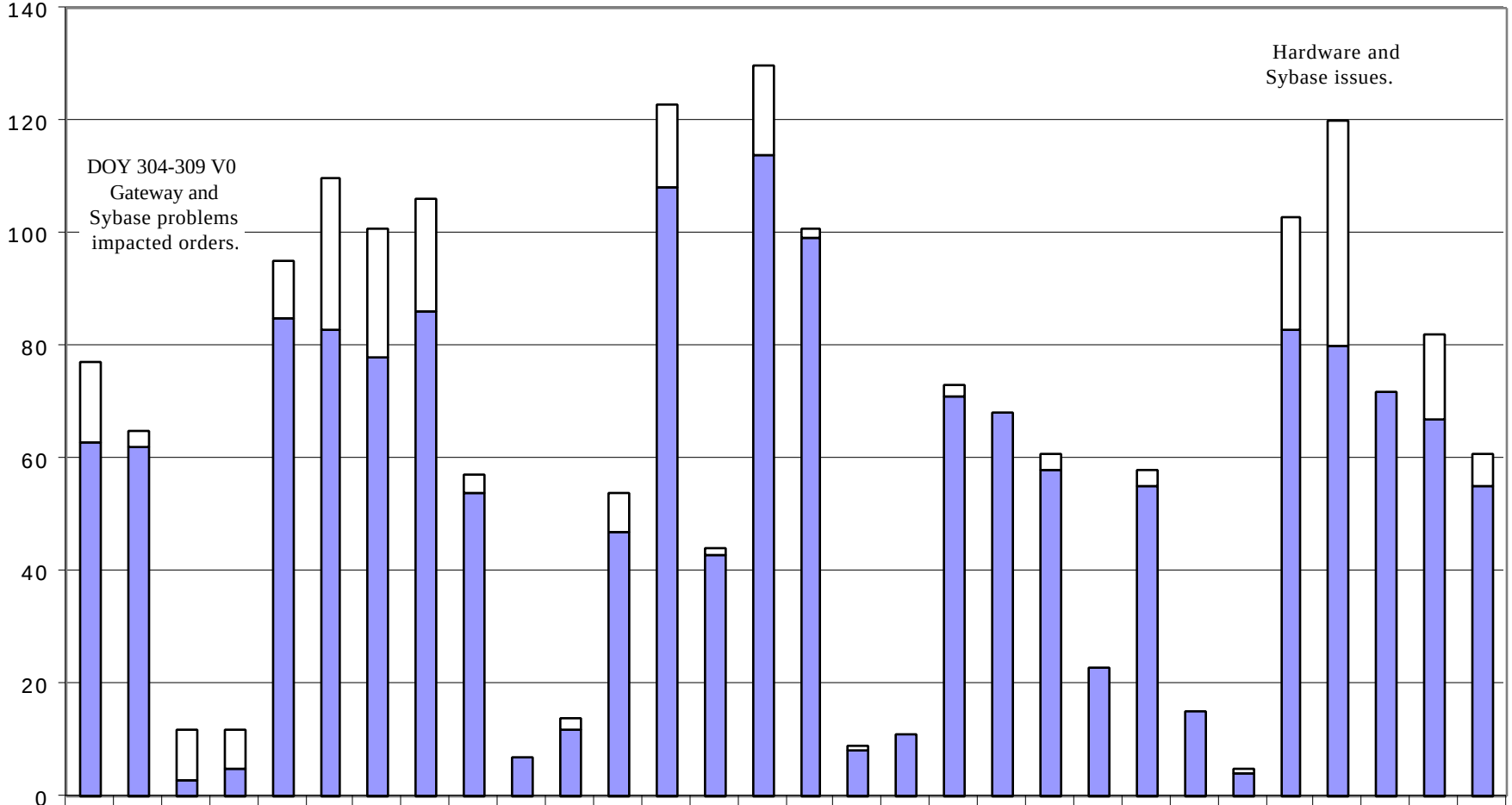
GDAAC Weekly Totals
December 2001
(GB)



	330-336	337-343	344-	-
MODAPS	3818.46	3557.88	520.5	0
QA	1172.79	1025.33	129.35	0
Public	478.57	827.34	75.5	0
MCST	377.63	415.27	32.7	0
Other	682.13	1006.53	81.97	0
Testing	31.01	0.45	0.05	0
PDS	33.9	85.94	35.72	0

November 2001 Distribution Order Initial Failure Rates

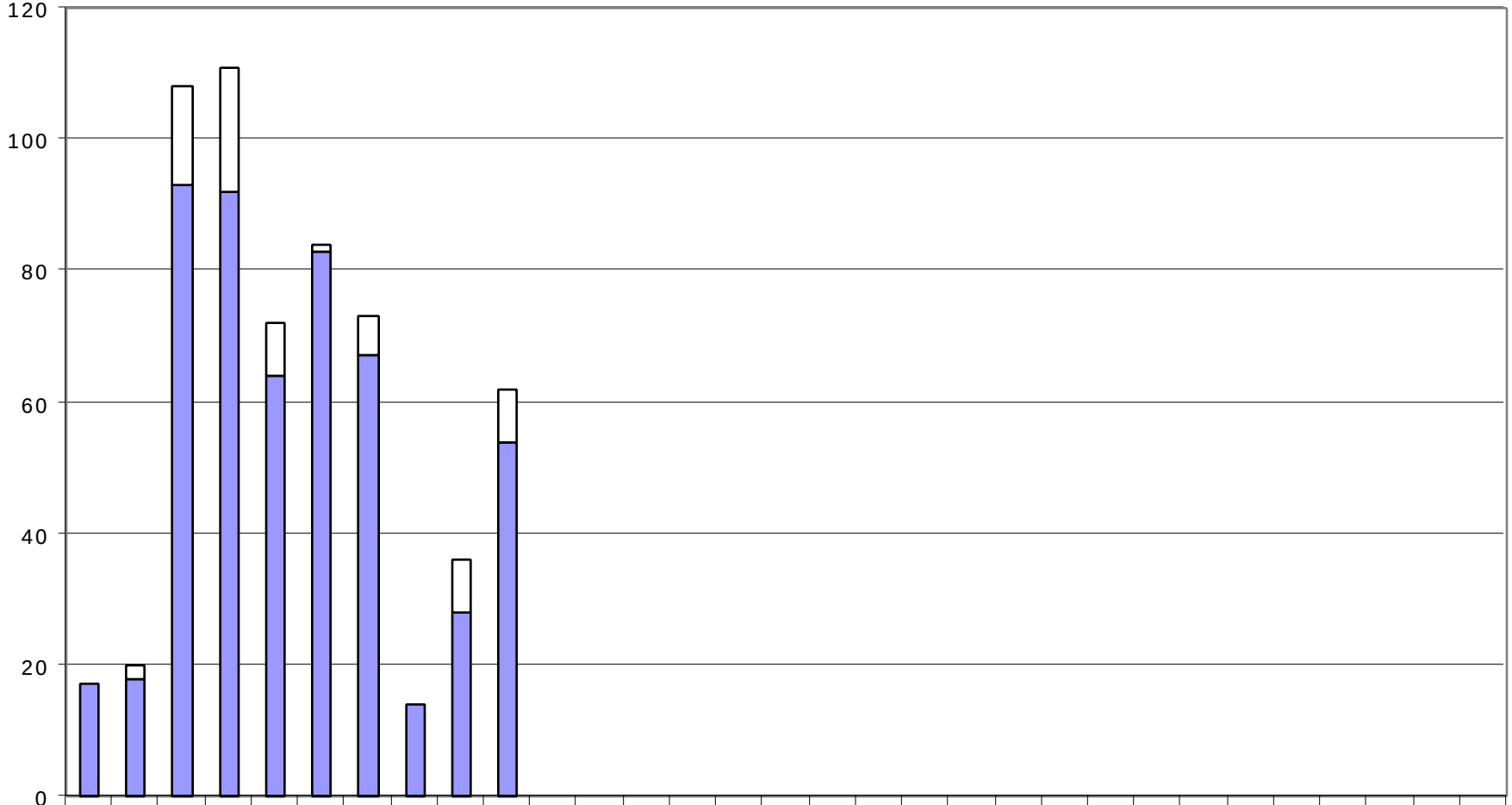
Monthly Average 13%



	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
Failed	14	3	9	7	10	27	23	20	3	0	2	7	15	1	16	2	1	0	2	0	3	0	3	0	1	20	40	0	15	6
Successful	63	62	3	5	85	83	78	86	54	7	12	47	108	43	114	99	8	11	71	68	58	23	55	15	4	83	80	72	67	55

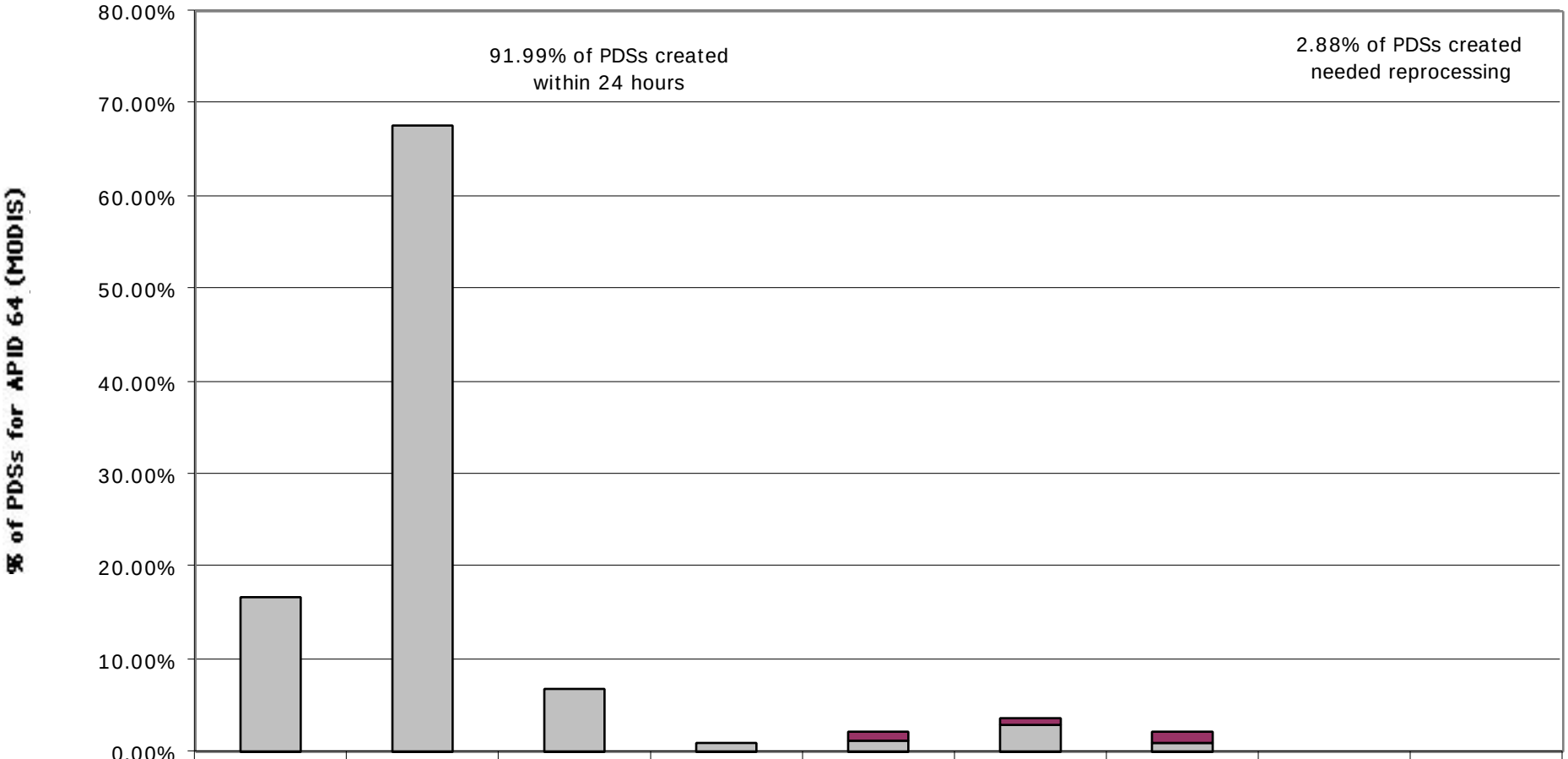
December 2001 Distribution Order Initial Failure Rates

Monthly Average 11%



	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365
Failed	0	2	15	19	8	1	6	0	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Successful	17	18	93	92	64	83	67	14	28	54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

EDOS C4 Total Creation & Distribution Time
2001 (Oct 12 - Nov 7)



	8 hours	12 hours	16 hours	24 hours	2 days	1 week	30 days	45 days	>45 days
Reprocessed	0.00%	0.00%	0.00%	0.00%	0.96%	0.64%	1.28%	0.00%	0.00%
Normal	16.67%	67.63%	6.73%	0.96%	1.28%	2.88%	0.96%	0.00%	0.00%