



PAC Action 0603 Open Bypass Report

July 2020 Update

MPRs with open Bypass

SSC	Total Bypass MPRs	% of Total Bypass Meters	Number Of Open Bypass	% of Open Bypass
Luna	1231	9.00%	33	21.57%
Iapetus	369	2.70%	24	15.69%
Mimas	910	6.65%	20	13.07%
Europa	5334	38.99%	14	9.15%
Phobos	178	1.30%	10	6.54%
Dione	142	1.04%	9	5.88%
Phoebe	185	1.35%	6	3.92%
Titan	600	4.39%	5	3.27%
Cordelia	68	0.50%	5	3.27%
Puck	761	5.56%	4	2.61%
Carme	211	1.54%	3	1.96%
Oberon	31	0.23%	3	1.96%
Carpo	769	5.62%	2	1.31%
Enceladus	756	5.53%	2	1.31%
Leda	327	2.39%	2	1.31%
Hyperion	119	0.87%	2	1.31%
Lysithea	5	0.04%	2	1.31%
Titania	330	2.41%	1	0.65%
Larissa	118	0.86%	1	0.65%
Io	108	0.79%	1	0.65%
Locaste	52	0.38%	1	0.65%
Nereid	4	0.03%	1	0.65%
Adrastea	2	0.01%	1	0.65%
Themisto	1	0.01%	1	0.65%
Totals	12,611	92.18%	153	100.00%

Total Bypass MPRs = 13,681
across 55 Shippers.

31 Shippers have MPRs with
Bypass equipment but no MPRs at
OP status

% values for Shippers who have
Bypass status of OP

Open Bypass MPRs – Time Period

SSC	Number of Open Bypass	Avg Number of Days Bypass Open
Leda	2	14,791
Lysithea	2	14,243
Phoebe	6	11,263
Nereid	1	11,138
Phobos	10	10,887
Mimas	20	10,198
Titan	5	10,013
Iapetus	24	9,818
Luna	33	9,733
Adrastea	1	9,677
Carpis	2	9,677
Io	1	9,677
Larissa	1	9,677
Locaste	1	9,677
Titania	1	9,677
Europa	14	9,575
Puck	4	9,312
Enceladus	2	9,284
Oberon	3	9,198
Carme	3	9,105
Cordelia	5	8,888
Themisto	1	8,838
Dione	9	8,440
Hyperion	2	8,350
Total	153	9,902

Average Number of Days ByPass has been open.

1 MPR with open Bypass Status from Feb20 remaining 152 MPRs have all been open since at least 2004

Open Bypass AQ Movement

SSC	Number of Open Bypass	Total AQ at Bypass Start Date	Sum of Current AQ	Sum of AQ Difference	Average of AQ % Increase
Lysithea	2	8,495,141	15,605,155	7,110,014	83.70%
Enceladus	2	195,750	314,273	118,523	60.55%
Mimas	20	125,516,315	197,375,382	71,859,067	57.25%
Luna	33	227,387,418	317,324,187	89,936,769	39.55%
Phoebe	6	154,031,038	199,390,428	45,359,390	29.45%
Hyperion	2	44,972	53,752	8,780	19.52%
Phobos	10	185,421,233	189,283,067	3,861,834	2.08%
Iapetus	24	173,232,435	176,416,854	3,184,419	1.84%
Nereid	1	53,054,577	49,173,158	-3,881,419	-7.32%
Themisto	1	2,683,029	2,354,965	-328,064	-12.23%
Europa	14	58,272,840	42,121,610	-16,151,230	-27.72%
Puck	4	2,513,262	1,736,840	-776,422	-30.89%
Ganymede	2	1,776,913	922,384	-854,529	-48.09%
Dione	9	434,391,535	210,707,062	-223,684,473	-51.49%
Leda	2	453,074	136,472	-316,602	-69.88%
Io	1	711,775	131,814	-579,961	-81.48%
Locaste	1	1,010,457	149,305	-861,152	-85.22%
Amalthea	5	2,647,178	337,916	-2,309,262	-87.23%
Carme	3	339,643	39,214	-300,429	-88.45%
Oberon	3	30,655,031	2,096,885	-28,558,146	-93.16%
Titan	5	5,371,862	126,993	-5,244,869	-97.64%
Larissa	1	11,250,432	59,035	-11,191,397	-99.48%
Adrastea	1	267,754	1	-267,753	-100.00%
Titania	1	314,324	1	-314,323	-100.00%
Totals	153	1,480,037,988	1,405,856,753	-74,181,235	-5.01%

AQ Position at Start of Bypass Period against AQ at 30/06/2020