

DTUSAT

1 27842U 03031C 13365.88547809 .00000202 00000-0 11218-3 0 8558
 2 27842 98.6891 12.0317 0009415 20.7568 97.5587 14.21552792544942

CUTE-1 (CO-55)

1 27844U 03031E 14001.53378946 .00000269 00000-0 14335-3 0 8224
 2 27844 98.7005 12.7169 0010198 42.4975 109.8404 14.21352009544907

QUAKESAT

1 27845U 03031F 13365.90130956 .00000330 00000-0 17189-3 0 8729
 2 27845 98.7095 12.2964 0009625 64.4056 8.3582 14.21161606544677

AAU CUBESAT

1 27846U 03031G 14001.52675773 .00000210 00000-0 11570-3 0 7394
 2 27846 98.6891 12.6535 0009313 19.0960 132.2382 14.21551224545038

CANX-1

1 27847U 03031H 13365.85611464 .00000195 00000-0 10898-3 0 7282
 2 27847 98.6894 11.9572 0009370 21.1895 99.2760 14.21516026544884

CUBESAT XI-IV (CO-57)

1 27848U 03031J 13365.99079079 .00000224 00000-0 12346-3 0 7630
 2 27848 98.7094 11.8012 0010239 49.8928 3.1032 14.21059649544751

UWE-1

1 28892U 05043C 14001.53447656 .00000852 00000-0 18053-3 0 7068
 2 28892 97.8433 210.4145 0017347 171.9299 249.7220 14.61430881436029

CUBESAT XI-V (CO-58)

1 28895U 05043F 14001.52261885 .00000863 00000-0 18270-3 0 6600
 2 28895 97.8471 211.9414 0017857 172.6367 187.5100 14.61462441435908

NCUBE-2

1 28897U 05043H 14001.14855093 .00000932 00000-0 19535-3 0 2350
 2 28897 97.8453 211.5755 0017106 172.4515 303.4328 14.61753077428185

CSTB1

1 31122U 07012F 13365.98801462 .00001014 00000-0 22185-3 0 9903
 2 31122 97.8752 357.7714 0083721 131.9481 287.9282 14.57565946356544

MAST

1 31126U 07012K 13365.89786991 .00000472 00000-0 11377-3 0 9375
 2 31126 97.8980 350.7260 0093546 155.4602 262.9040 14.54878457356065

LIBERTAD-1

1 31128U 07012M 13365.93730398 .00000590 00000-0 14175-3 0 9990
 2 31128 97.9181 347.0776 0100523 172.6433 187.6268 14.53783010355714

POLYSAT CP3

1 31129U 07012N 13365.51578420 .00000700 00000-0 16528-3 0 6377
 2 31129 97.9167 347.2397 0099858 172.4288 302.8637 14.54106955355667

CAPE1

1 31130U 07012P 14001.49078683 .00000656 00000-0 15616-3 0 9426
 2 31130 97.9180 347.7611 0100358 170.5182 189.7941 14.53903863355581

POLYSAT CP4

1 31132U 07012Q 14001.51057347 .00000668 00000-0 15160-3 0 9512
 2 31132 97.8752 356.9869 0084720 132.0870 349.4165 14.56846368356443

NTS (CANX-6)

1 32784U 08021B 13365.75992135 .00001189 00000-0 15013-3 0 8254
 2 32784 97.7232 55.7494 0015362 24.8979 114.0709 14.83633953307069

CUTE-1.7+APD II (CO-65)

1 32785U 08021C 13365.84777017 .00001451 00000-0 17803-3 0 8302
 2 32785 97.7246 57.5093 0014271 25.0412 34.7762 14.84511126307192

COMPASS-1

1 32787U 08021E 14001.11283463 .00002572 00000-0 29587-3 0 8193
 2 32787 97.7263 59.3678 0014502 18.2716 341.9018 14.86548778307350

AAUSAT-II

1 32788U 08021F 14001.12190356 .00003117 00000-0 35240-3 0 8046
 2 32788 97.7272 60.1797 0013964 17.3823 342.7869 14.87113649307408

DELFI-C3 (DO-64)

1 32789U 08021G 13365.50120022 .00005243 00000-0 54048-3 0 8391
 2 32789 97.7450 64.6435 0012990 8.7606 104.7857 14.90591007307490

CANX-2

1 32790U 08021H 13365.85865209 .00001365 00000-0 16838-3 0 8255
 2 32790 97.7209 56.8892 0014933 25.5536 33.1890 14.84379273307160

SEEDS II (CO-66)

1 32791U 08021J 14001.42865975 .00002890 00000-0 34033-3 0 7998
 2 32791 97.7261 58.7516 0015065 19.5557 106.7390 14.85483420307293

SWISSCUBE

1 35932U 09051B 14001.26703292 .00000971 00000-0 24141-3 0 1998
 2 35932 98.3676 113.5241 0008476 167.9215 192.2186 14.53944925226630

BEESAT

1 35933U 09051C 14001.29018388 .00000794 00000-0 19789-3 0 4850
 2 35933 98.3666 114.2254 0006330 178.6313 181.4902 14.54307191226711

UWE-2

1 35934U 09051D 14001.06050572 .00000716 00000-0 18030-3 0 8448
 2 35934 98.3616 113.2173 0006951 181.4214 178.6964 14.54112408226673

ITUPSAT 1

1 35935U 09051E 14001.24061341 .00000746 00000-0 18925-3 0 3907
 2 35935 98.3763 114.3892 0008908 170.3004 189.8366 14.53638485226616

TISAT 1

1 36799U 10035E 14001.45418555 .00002606 00000-0 31653-3 0 7742
 2 36799 98.0250 92.3383 0015109 140.3455 219.8865 14.84327858187977

DICE-F

1 37851U 11061B 13365.82950828 .00003898 00000-0 28953-3 0 6910
 2 37851 101.7136 311.2362 0229032 181.3073 234.4871 14.85592614117748

DICE-Y

1 37852U 11061C 13365.81788828 .00005369 00000-0 38812-3 0 6908
 2 37852 101.7137 312.1285 0225639 179.3985 235.8959 14.86654522117764

RAX-2

1 37853U 11061D 13365.83653617 .00003642 00000-0 26943-3 0 6856
 2 37853 101.7066 311.2780 0226792 179.6963 239.9749 14.86138894117778

AUBIESAT-1

1 37854U 11061E 13365.81853934 .00005342 00000-0 38079-3 0 6693
 2 37854 101.7113 312.5805 0225886 177.6746 237.9486 14.87099572117804

M-CUBED & EXP-1 PRIME

1 37855U 11061F 14001.49291449 .00006223 00000-0 44514-3 0 6794
 2 37855 101.7115 313.1586 0227386 176.5575 303.4966 14.86627734117881

E-ST@R

1 38079U 12006C 14001.51973851 .00095515 47532-5 15372-2 0 6966
 2 38079 69.4672 58.6638 0514586 230.6410 247.8882 14.72153157 98646

GOLIAT

1 38080U 12006D 14001.23148073 .00090997 46347-5 14633-2 0 6744
 2 38080 69.4689 58.1247 0509658 231.5692 123.8596 14.73215876 98624

MASAT 1

1 38081U 12006E 14001.55875664 .00094819 47376-5 15318-2 0 6373
 2 38081 69.4695 58.2218 0512110 231.0324 124.4225 14.72598713 98657

XATCOBEO

1 38082U 12006F 14001.54358942 .00126916 61943-5 17371-2 0 8157
 2 38082 69.4665 42.5526 0441100 221.8468 293.6164 14.90717249 99085

PW-SAT

1 38083U 12006G 14001.55276964 .00109896 53636-5 16319-2 0 9275
 2 38083 69.4689 49.9382 0475218 226.0141 288.1967 14.81996670 98889

ROBUSTA

1 38084U 12006H 14001.50303493 .00091736 46266-5 14672-2 0 7990
 2 38084 69.4699 60.8468 0521466 231.8101 123.5154 14.70838306 98581

UNICUBESAT GG

1 38085U 12006J 14001.51846380 .00086525 44587-5 14107-2 0 6782
 2 38085 69.4686 62.8116 0529415 232.6391 122.5465 14.68792540 98537

AAUSAT3

1 39087U 13009B 13365.50643780 .00000622 00000-0 23728-3 0 2584
 2 39087 98.6219 195.2337 0013396 83.2709 277.0013 14.34281702 44274

STRAND 1

1 39090U 13009E 14001.08104609 .00000191 00000-0 83679-4 0 2528
 2 39090 98.6279 196.0944 0010201 79.9199 280.3102 14.34426793 44361

BRITE-AUSTRIA

1 39091U 13009F 14001.53074386 .00000065 00000-0 38593-4 0 2577
 2 39091 98.6204 196.4306 0011302 86.4825 273.7651 14.34589934 44438

UNIBRITE

1 39092U 13009G 13365.99992269 -.00000024 00000-0 72131-5 0 2594
 2 39092 98.6203 195.8280 0010360 80.6432 279.5951 14.34463385 44354

DOVE-2

1 39132U 13015C 13365.47116654 .00002959 00000-0 24897-3 0 3295
 2 39132 64.8769 310.1425 0015248 338.0308 22.0158 15.00109136 38400

AIST-2

1 39133U 13015D 14001.45832557 .00002094 00000-0 18078-3 0 7107
 2 39133 64.8776 306.9340 0015059 334.8109 25.2276 14.99966033 38557

BEESAT-3

1 39134U 13015E 13365.80914894 .00006110 00000-0 47160-3 0 4625
 2 39134 64.8772 307.1672 0010593 332.3436 27.7100 15.02371822 38496

SOMP

1 39135U 13015F 13365.29278168 .00005306 00000-0 41385-3 0 4074
 2 39135 64.8776 308.9226 0010262 330.4772 29.5776 15.02135504 38416

BEESAT-2

1 39136U 13015G 13365.29161486 .00005165 00000-0 40342-3 0 4490
 2 39136 64.8803 308.9196 0010127 329.1405 30.9109 15.02110349 38418

NEE-01 PEGASUS

1 39151U 13018B 14001.47900622 .00001297 00000-0 19131-3 0 7285
 2 39151 98.0574 82.0814 0018573 162.8560 197.3281 14.76915514 36934

TURKSAT-3USAT

1 39152U 13018C 14001.42350931 .00001514 00000-0 22217-3 0 7262
 2 39152 98.0353 81.3103 0018331 160.8427 199.3470 14.76907978 36910

CUBEBUG 1

1 39153U 13018D 14001.47372861 .00001459 00000-0 21409-3 0 7220
 2 39153 98.0576 82.0914 0018389 163.0886 197.0943 14.76974243 36945

ESTCUBE 1

1 39161U 13021C 14001.42470507 .00001125 00000-0 19838-3 0 6956
 2 39161 98.1135 83.5178 0009628 198.0730 162.0133 14.69413923 35101

POPACS 1

1 39268U 13055D 13364.91643606 -.00097173 00000-0 -33348-2 0 964
 2 39268 80.9939 223.5276 0778755 260.9770 90.2375 14.00529873 12902

POPACS 2

1 39269U 13055E 14001.31110399 .00007527 00000-0 25131-3 0 779
 2 39269 80.9946 222.2231 0785943 257.4475 93.8191 13.99468568 13106

POPACS 3

1	39270U	13055F	13365.32782031	.00006255	00000-0	21496-3 0	689
2	39270	80.9992	223.2287 0785921	260.0762	91.1043	13.98843502	12971
ORS OBJECT B							
1	39381U	13064B	13365.31969149	.00009309	00000-0	40600-3 0	386
2	39381	40.5074	9.9004 0004128	265.3460	94.6914	15.22092871	6285
ORS OBJECT C							
1	39382U	13064C	14001.34990319	.00029002	00000-0	11831-2 0	577
2	39382	40.5054	3.6290 0002552	220.2353	139.8335	15.23787173	6446
ORS OBJECT D							
1	39383U	13064D	13365.19093823	.00025226	00000-0	10822-2 0	389
2	39383	40.5196	10.7378 0006478	178.4497	181.9475	15.22125674	6268
ORS OBJECT E							
1	39384U	13064E	14001.35733693	.00019538	00000-0	81856-3 0	253
2	39384	40.5084	3.6936 0003312	251.5560	108.4980	15.23041105	6446
ORS OBJECT F							
1	39385U	13064F	13365.31463532	.00012897	00000-0	55266-3 0	239
2	39385	40.5318	9.9512 0007244	233.5949	126.4200	15.22467880	6283
ORS OBJECT G							
1	39386U	13064G	14001.10473626	.00011429	00000-0	49339-3 0	234
2	39386	40.5208	5.3462 0005560	245.5388	114.4953	15.22294332	6096
ORS OBJECT H							
1	39387U	13064H	14001.35618228	.00017686	00000-0	74299-3 0	268
2	39387	40.5288	3.7598 0004372	258.8326	101.2101	15.22992538	6447
SENSE SV1							
1	39388U	13064J	14001.35937523	.00016441	00000-0	69477-3 0	250
2	39388	40.5309	3.7908 0006701	239.3096	120.7117	15.22815669	6445
ORS OBJECT K							
1	39389U	13064K	14001.36645723	.00013088	00000-0	56221-3 0	189
2	39389	40.5073	3.7638 0003783	260.8883	99.1589	15.22390288	5305
ORS OBJECT L							
1	39390U	13064L	13365.38192476	.00011004	00000-0	47504-3 0	176
2	39390	40.5132	9.5154 0006539	235.8146	124.2061	15.22314678	5467
ORS OBJECT M							
1	39391U	13064M	13365.38181000	.00011338	00000-0	48879-3 0	185
2	39391	40.5125	9.5126 0006267	235.5725	124.4484	15.22343509	4226
SENSE SV2							
1	39392U	13064N	14001.24056775	.00008452	00000-0	37087-3 0	169
2	39392	40.5106	4.5797 0004411	269.3700	90.6723	15.21957045	4979
ORS OBJECT P							
1	39393U	13064P	14001.10146860	.00012418	00000-0	53281-3 0	183
2	39393	40.5280	5.3433 0004996	258.1565	101.8758	15.22456775	5533
ORS OBJECT Q							
1	39394U	13064Q	14001.10134136	.00012427	00000-0	53321-3 0	171
2	39394	40.5272	5.3407 0004921	260.6680	99.3654	15.22454188	5497
ORS OBJECT R							
1	39395U	13064R	13365.38486634	.00011267	00000-0	48788-3 0	168
2	39395	40.5069	9.5172 0003580	262.1551	97.8866	15.22205354	6141
ORS OBJECT S							
1	39396U	13064S	14001.09570964	.00016668	00000-0	70256-3 0	193
2	39396	40.5288	5.3055 0004039	255.0631	104.9780	15.22907557	5507
ORS OBJECT T							
1	39397U	13064T	14001.43562555	.00008791	00000-0	38436-3 0	179
2	39397	40.5111	3.4241 0006870	245.6365	114.3742	15.22040449	5616

ORS OBJECT U							
1	39398U	13064U	14001.36283475	.00014520	00000-0	61867-3 0	174
2	39398	40.5329	3.8257 0007227	238.5107	121.5095	15.22595495	4505
ORS OBJECT V							
1	39399U	13064V	14001.03532924	.00011952	00000-0	51310-3 0	184
2	39399	40.5275	5.7206 0004875	261.6204	98.4112	15.22460591	4445
ORS OBJECT W							
1	39400U	13064W	13365.38476445	.00010314	00000-0	44788-3 0	151
2	39400	40.5086	9.5180 0004085	264.8786	95.1582	15.22166002	4371
ORS OBJECT X							
1	39401U	13064X	14001.36406824	.00011904	00000-0	51185-3 0	179
2	39401	40.5291	3.8166 0005038	264.7512	95.2775	15.22410159	5300
ORS OBJECT Y							
1	39402U	13064Y	14001.36996384	.00012448	00000-0	53765-3 0	175
2	39402	40.5085	3.7983 0003554	258.5738	101.4703	15.22232597	6142
ORS OBJECT Z							
1	39403U	13064Z	13365.38772628	.00006876	00000-0	30415-3 0	167
2	39403	40.5316	9.6256 0007435	239.8395	120.1684	15.21856635	4341
ORS OBJECT AA							
1	39404U	13064AA	14001.03979990	.00009029	00000-0	39354-3 0	130
2	39404	40.5300	5.7643 0007008	247.5594	112.4560	15.22127288	5811
ORS OBJECT AB							
1	39405U	13064AB	14001.30135874	.00011153	00000-0	48195-3 0	129
2	39405	40.5097	4.1537 0004380	266.2528	93.7786	15.22280474	4182
ORS OBJECT AC							
1	39406U	13064AC	14001.03747654	.00012055	00000-0	51853-3 0	76
2	39406	40.5133	5.6868 0006371	239.5308	120.4969	15.22382184	2942
ORS OBJECT AD							
1	39407U	13064AD	13365.38140589	.00012089	00000-0	51995-3 0	64
2	39407	40.5324	9.5786 0007200	234.5394	125.4761	15.22378971	4046
ORS OBJECT AE							
1	39408U	13064AE	13365.38155227	.00011699	00000-0	50375-3 0	67
2	39408	40.5133	9.5112 0006332	236.0097	124.0131	15.22363916	6164
ORS OBJECT AF							
1	39409U	13064AF	14001.36619995	.00011736	00000-0	50548-3 0	76
2	39409	40.5128	3.7804 0006387	241.7403	118.2744	15.22353336	4547
ISS OBJECT A							
1	39412U	98067DA	14001.57339818	.00056065	00000-0	77042-3 0	1323
2	39412	51.6473	204.2712 0006733	196.0686	206.5578	15.56723875	6682
ISS OBJECT B							
1	39413U	98067DB	14001.39798095	.00113889	00000-0	13176-2 0	1325
2	39413	51.6470	204.5564 0009183	206.4524	216.7520	15.60944619	6661
ISS OBJECT C							
1	39414U	98067DC	14001.56991866	.00056667	00000-0	77627-3 0	1317
2	39414	51.6480	204.2679 0006718	194.9510	197.5656	15.56803361	6595
TECHEDSAT-3P							
1	39415U	98067DD	13365.96360484	.00473156	00000-0	30140-2 0	795
2	39415	51.6435	205.2223 0010344	215.5145	294.0796	15.74435159	6499
DNEPR OBJECT B							
1	39417U	13066B	14001.25797560	.00001375	00000-0	19432-3 0	1289
2	39417	97.7955	77.5540 0064797	64.8311	295.9613	14.77274944	6046
DNEPR OBJECT E							
1	39420U	13066E	13365.59288349	.00000826	00000-0	15955-3 0	423
2	39420	97.7824	75.7754 0144477	63.5648	298.0300	14.59405324	5869

WNISAT-1							
1	39423U	13066H	14001.43404656	.00000485	00000-0	10788-3 0	653
2	39423	97.7786	76.0579 0180903	61.5441	300.3864	14.51420459	5940
DNEPR OBJECT J							
1	39424U	13066J	13365.71942019	.00000965	00000-0	15837-3 0	368
2	39424	97.7893	76.5449 0098537	63.9635	297.1681	14.69696669	5917
DNEPR OBJECT L							
1	39426U	13066L	13365.44795268	.00000826	00000-0	14237-3 0	338
2	39426	97.7890	76.1262 0109806	64.2257	297.0247	14.67159831	5865
TRITON 1							
1	39427U	13066M	14001.19914218	.00001038	00000-0	18366-3 0	341
2	39427	97.7840	76.6779 0120901	61.7667	299.5671	14.64695211	5946
DELFI-N3XT							
1	39428U	13066N	13365.51795196	.00001716	00000-0	30919-3 0	365
2	39428	97.7857	75.8746 0132415	63.7861	297.6860	14.62177035	5824
DOVE-3							
1	39429U	13066P	14001.49401943	.00001224	00000-0	24084-3 0	365
2	39429	97.7823	76.4456 0157319	60.8618	300.8211	14.56650938	5975
GOMX 1							
1	39430U	13066Q	14001.43882484	.00000944	00000-0	18922-3 0	962
2	39430	97.7820	76.3624 0159395	61.1779	300.5320	14.56153434	5942
BRITE-PL							
1	39431U	13066R	13365.62702448	.00000184	00000-0	49903-4 0	349
2	39431	97.7738	74.9591 0206955	64.5840	297.6623	14.45716411	5792
DNEPR OBJECT S							
1	39432U	13066S	14001.11810639	.00002061	00000-0	24600-3 0	302
2	39432	97.7996	77.9081 0037423	74.0351	286.4974	14.84831612	6049
DNEPR OBJECT T							
1	39433U	13066T	14001.25134014	.00002655	00000-0	31434-3 0	317
2	39433	97.7981	78.0388 0037079	73.5480	286.9815	14.84924543	6067
DNEPR OBJECT U							
1	39434U	13066U	13365.98046606	.00005737	00000-0	66846-3 0	341
2	39434	97.7981	77.7709 0036152	74.9507	285.5678	14.85147826	5992
DNEPR OBJECT V							
1	39435U	13066V	13337.61598315	.00001563	00000-0	19239-3 0	224
2	39435	97.8037	49.9935 0033124	166.4257	193.7856	14.84013049	1793
DNEPR OBJECT W							
1	39436U	13066W	14001.40488634	.00009468	00000-0	11157-2 0	405
2	39436	97.7976	78.1391 0031285	79.0338	281.4381	14.84629669	6086
DNEPR OBJECT X							
1	39437U	13066X	13365.88122540	.00003350	00000-0	40817-3 0	322
2	39437	97.8053	77.6338 0031455	76.8479	283.6182	14.83704460	6017
DNEPR OBJECT Y							
1	39438U	13066Y	13365.85499664	.00001161	00000-0	17329-3 0	290
2	39438	97.7936	76.9960 0076486	65.1048	295.8070	14.74668018	5968
DNEPR OBJECT Z							
1	39439U	13066Z	14001.19140233	.00002386	00000-0	34708-3 0	325
2	39439	97.7934	77.3251 0075871	63.8249	297.0710	14.74847946	5975
DNEPR OBJECT AA							
1	39440U	13066AA	13365.71696643	.00001227	00000-0	19064-3 0	307
2	39440	97.7919	76.7098 0087074	64.5148	296.5031	14.72277654	5933
DNEPR OBJECT AB							
1	39441U	13066AB	13365.71782085	.00000975	00000-0	15321-3 0	293
2	39441	97.7916	76.7067 0087300	64.6451	296.3753	14.72232371	5898

DNEPR OBJECT AC

1	39442U	13066AC	14001.45477735	.00002239	00000-0	26655-3 0	282
2	39442	97.8003	78.2354 0037105	72.7176	287.8109	14.84852263	4873

DNEPR OBJECT AD

1	39443U	13066AD	13365.87732216	.00004019	00000-0	48614-3 0	297
2	39443	97.7986	77.5933 0031774	79.6831	280.7929	14.83882345	4794

DNEPR OBJECT AE

1	39444U	13066AE	13365.91862924	.00001687	00000-0	23667-3 0	258
2	39444	97.7961	77.2269 0064809	65.7049	295.0872	14.77318359	4764

DNEPR OBJECT AF

1	39445U	13066AF	13365.78340756	.00001695	00000-0	23778-3 0	250
2	39445	97.7949	77.0945 0064727	66.4621	294.3374	14.77307266	4318

DNEPR OBJECT AG

1	39446U	13066AG	14001.12605298	.00001333	00000-0	19783-3 0	252
2	39446	97.7944	77.2567 0076296	63.8742	297.0286	14.74691800	4785