SB KEPS @ AMSAT $ORB19171.N

2Line Orbital Elements 19171.AMSAT

HR AMSAT ORBITAL ELEMENTS FOR AMATEUR SATELLITES IN NASA FORMAT

FROM WA5QGD FORT WORTH,TX June 20, 2019

BID: ORB19171.N

DECODE 2-LINE ELSETS WITH THE FOLLOWING KEY:

1 AAAAAU 00 0 0 BBBBB.BBBBBBBB .CCCCCCCC 00000-0 00000-0 0 DDDZ

2 AAAAA EEE.EEEE FFF.FFFF GGGGGGG HHH.HHHH III.IIII JJ.JJJJJJJJKKKKKZ

KEY: A-CATALOGNUM B-EPOCHTIME C-DECAY D-ELSETNUM E-INCLINATION F-RAAN

G-ECCENTRICITY H-ARGPERIGEE I-MNANOM J-MNMOTION K-ORBITNUM Z-CHECKSUM

TO ALL RADIO AMATEURS BT

AO-07

1 07530U 74089B 19171.55321894 -.00000035 00000-0 63131-4 0 9996

2 07530 101.7437 139.1949 0012150 345.8765 130.8582 12.53638535 40757

UO-11

1 14781U 84021B 19171.04952444 .00000047 00000-0 11843-4 0 9999

2 14781 97.6104 195.7041 0007469 324.1021 35.9691 14.83090927898962

LO-19

1 20442U 90005G 19171.34499521 -.00000001 00000-0 15999-4 0 9991

2 20442 98.6488 113.3420 0012443 140.0833 220.1267 14.32927300536616

HUBBLE

1 20580U 90037B 19171.54508354 .00000306 00000-0 76157-5 0 9997

2 20580 28.4681 199.6830 0002864 140.3959 355.3680 15.09237087401178

MET-2/21

1 22782U 93055A 19171.12316803 .00000005 00000-0 -87061-5 0 9999

2 22782 82.5476 161.9380 0022452 170.7830 258.8797 13.83817901303063

AO-27

1 22825U 93061C 19170.89925574 -.00000018 00000-0 10938-4 0 9990

2 22825 98.9029 159.5636 0008438 3.4165 356.7073 14.30060718342128

IO-26

1 22826U 93061D 19171.18044168 -.00000021 00000-0 99905-5 0 9991

2 22826 98.8969 159.8425 0008720 350.9817 9.1207 14.30394289342365

FO-29

1 24278U 96046B 19170.88052134 -.00000045 00000-0 -76514-5 0 9996

2 24278 98.5372 324.1299 0349430 236.8386 119.8783 13.53091924127967

NOAA-15

1 25338U 98030A 19171.52147482 .00000056 00000-0 42120-4 0 9997

2 25338 98.7462 192.7850 0009477 233.6106 126.4200 14.25915648 97500

GO-32

1 25397U 98043D 19171.79821654 -.00000022 00000-0 95690-5 0 9990

2 25397 98.6889 111.9166 0002158 57.5003 302.6384 14.23666702 88174

ISS

1 25544U 98067A 19171.85531758 .00000888 00000-0 22731-4 0 9994

2 25544 51.6437 343.0917 0008163 70.5765 8.5332 15.51214103175820

NO-44

1 26931U 01043C 19171.80785620 -.00000040 00000-0 16527-4 0 9994

2 26931 67.0517 358.2200 0006689 278.9878 81.0466 14.30544987925272

SO-50

1 27607U 02058C 19171.10551007 -.00000047 00000-0 14397-4 0 9995

2 27607 64.5559 45.2747 0081304 256.2597 102.9446 14.75553170887242

CO-55

1 27844U 03031E 19171.62290008 .00000017 00000-0 27335-4 0 9990

2 27844 98.6833 179.8076 0010474 32.1991 327.9824 14.22181683828563

CO-57

1 27848U 03031J 19171.82671175 .00000013 00000-0 25811-4 0 9997

2 27848 98.6910 180.5090 0010535 42.2669 317.9319 14.21776346828440

RS-22

1 27939U 03042A 19171.82175769 .00000058 00000-0 18903-4 0 9991

2 27939 98.0414 307.5955 0014122 63.8291 296.4369 14.66785405840851

NOAA-18

1 28654U 05018A 19171.54881827 .00000080 00000-0 68169-4 0 9993

2 28654 99.0954 218.5466 0014613 168.4275 191.7234 14.12432121725780

CO-58

1 28895U 05043F 19171.08071282 .00000074 00000-0 22988-4 0 9995

2 28895 97.9595 313.7640 0016447 352.2848 7.8099 14.63668840727685

Falconsat-3

1 30776U 07006E 19171.11803769 .00001314 00000-0 37902-4 0 9994

2 30776 35.4355 81.5723 0001817 141.8709 218.2146 15.36187642680903

CO-65

1 32785U 08021C 19171.83690063 .00000110 00000-0 17471-4 0 9996

2 32785 97.5491 171.4500 0011511 254.1123 105.8826 14.88311184604006

AAUSAT2

1 32788U 08021F 19171.45708542 .00000663 00000-0 65969-4 0 9997

2 32788 97.4965 187.1112 0011536 185.7707 174.3383 14.94726922605187

DO-64

1 32789U 08021G 19171.14529428 .00001101 00000-0 77555-4 0 9990

2 32789 97.4640 220.7672 0013884 117.7785 242.4852 15.06953927607183

CO-66

1 32791U 08021J 19170.97922807 .00000184 00000-0 24060-4 0 9994

2 32791 97.5274 176.6081 0012069 229.2696 130.7475 14.90821279604304

RS-30

1 32953U 08025A 19171.89815520 .00000021 00000-0 75656-4 0 9990

2 32953 82.4996 143.3921 0020213 121.6740 238.6308 12.43090121502587

PRISM

1 33493U 09002B 19171.33377572 .00000849 00000-0 79848-4 0 9990

2 33493 98.1226 92.3509 0015147 171.3358 188.8126 14.96655706565397

NOAA-19

1 33591U 09005A 19171.53107125 .00000062 00000-0 58914-4 0 9997

2 33591 99.1795 162.6988 0014287 17.6913 342.4753 14.12359236534165

TISAT-1

1 36799U 10035E 19171.09151378 .00000249 00000-0 31234-4 0 9998

2 36799 98.1561 323.2900 0013708 82.7870 277.4905 14.91103363484973

JUGNU

1 37839U 11058B 19171.49744406 .00000300 00000-0 18182-4 0 9999

2 37839 19.9625 323.8294 0018974 346.9409 56.8149 14.12652564397513

SRMSAT

1 37841U 11058D 19170.01255941 .00000299 00000-0 18798-4 0 9990

2 37841 19.9737 29.6107 0011920 200.2136 303.3788 14.10633766396730

AO-71

1 37854U 11061E 19171.28797290 .00000757 00000-0 46481-4 0 9995

2 37854 101.7013 70.3574 0161063 61.0950 300.6313 15.06408491417237

HRBE

1 37855U 11061F 19171.19506098 .00000945 00000-0 54998-4 0 9991

2 37855 101.7145 67.5659 0173770 72.3443 289.6659 15.05412135417009

ALMASAT-1

1 38078U 12006B 19171.69692266 .00018150 41323-5 10352-3 0 9997

2 38078 69.4260 260.6056 0165202 259.0420 218.5425 15.63036643397809

HORYU-2

1 38340U 12025D 19171.06724302 .00000104 00000-0 23197-4 0 9992

2 38340 98.3286 209.6997 0012792 117.2567 242.9946 14.75719656381366

RS-40

1 38735U 12041C 19171.15762261 .00000003 00000-0 -48549-4 0 9991

2 38735 82.4760 227.1685 0015820 230.6869 129.2805 12.42578490312731

BEESAT-3

1 39135U 13015F 19171.85176889 .00000520 00000-0 35672-4 0 9996

2 39135 64.8694 31.7676 0021266 322.1620 37.8010 15.17465029340571

BEESAT-2

1 39136U 13015G 19171.03250802 .00000505 00000-0 35442-4 0 9993

2 39136 64.8701 38.2371 0019296 300.9687 58.9542 15.16891411340371

ZACUBE-1

1 39417U 13066B 19171.73179551 .00000115 00000-0 20784-4 0 9999

2 39417 97.5619 185.1189 0059733 28.7670 331.6815 14.81114939301342

TRITON-1

1 39427U 13066M 19171.02335003 .00000126 00000-0 27939-4 0 9999

2 39427 97.6759 148.3192 0114255 160.4809 200.0826 14.67840083298530

GOMX-1

1 39430U 13066Q 19171.74809949 .00000075 00000-0 23041-4 0 9990

2 39430 97.7461 128.1645 0149715 247.6484 110.8803 14.59252229296902

LO-74

1 39440U 13066AA 19171.78517567 .00000107 00000-0 21666-4 0 9994

2 39440 97.6017 170.0984 0081874 78.4078 282.6309 14.75853025300286

AO-73

1 39444U 13066AE 19170.98850574 .00000141 00000-0 23627-4 0 9994

2 39444 97.5602 186.3642 0058762 25.1504 335.2552 14.81933049300123

SPROUT

1 39770U 14029E 19171.85162124 .00000189 00000-0 27018-4 0 9990

2 39770 97.8855 275.1311 0010460 79.2016 281.0375 14.87336512275152

DUCHIFAT-1

1 40021U 14033M 19171.08798486 .00000214 00000-0 27714-4 0 9999

2 40021 97.9241 95.6862 0014155 49.6368 310.6083 14.90626433271750

NANOSATCBR1

1 40024U 14033Q 19171.31699843 .00000213 00000-0 28117-4 0 9992

2 40024 97.9140 93.3349 0013517 52.3757 307.8685 14.89841517271688

EO-79

1 40025U 14033R 19171.71632593 .00000182 00000-0 25408-4 0 9991

2 40025 97.9062 91.3974 0013779 56.4258 303.8272 14.88941804271626

DTUSAT-2

1 40030U 14033W 19171.30959463 .00000150 00000-0 22131-4 0 9995

2 40030 97.8982 89.1491 0013200 53.7803 306.4632 14.88534696271497

EO-80

1 40032U 14033Y 19171.71856007 .00000167 00000-0 24034-4 0 9994

2 40032 97.8988 89.5577 0013128 53.1603 307.0815 14.88476980271542

ANTELSAT

1 40034U 14033AA 19171.19895096 .00000113 00000-0 24134-4 0 9991

2 40034 97.7607 38.3127 0060251 91.5149 269.2963 14.74102033268903

VELOX-1

1 40057U 14034E 19171.70823252 .00000166 00000-0 30778-4 0 9998

2 40057 98.2357 294.8380 0009973 221.8945 138.1504 14.77664330268060

DAURIA DX 1

1 40071U 14037C 19171.71634918 .00000048 00000-0 13726-4 0 9990

2 40071 98.4261 325.7028 0007672 213.1347 146.9385 14.81270705267550

UKUBE-1

1 40074U 14037F 19171.45058029 .00000231 00000-0 34930-4 0 9991

2 40074 98.4369 333.5088 0003688 188.0190 172.0966 14.84052616267911

HODOYOSHI-1

1 40299U 14070B 19171.81934508 .00000285 00000-0 14883-4 0 9996

2 40299 97.3493 251.5301 0014050 41.3804 75.9126 15.23363628256594

CHUBUSAT-1

1 40300U 14070C 19171.76910935 .00000330 00000-0 17346-4 0 9999

2 40300 97.3280 245.9010 0021261 49.6056 67.8172 15.22082471256333

QSAT-EOS

1 40301U 14070D 19171.80853804 .00000908 00000-0 37896-4 0 9999

2 40301 97.3269 248.9678 0026825 34.8948 83.7989 15.25917521256611

FIREBIRD FU3

1 40377U 15003B 19171.13512388 .00001447 00000-0 60497-4 0 9996

2 40377 99.1129 151.6671 0128388 85.7195 275.8692 15.18749901242143

FIREBIRD FU4

1 40378U 15003C 19171.84701495 .00001540 00000-0 64036-4 0 9991

2 40378 99.1132 152.6009 0128591 83.2550 278.3293 15.18758634242258

GRIFEX

1 40379U 15003D 19171.84237616 .00001008 00000-0 46843-4 0 9996

2 40379 99.1124 146.6494 0136507 101.5673 260.0915 15.15452369241911

NO-84

1 40654U 15025D 19171.32931758 .00005058 00000 0 76476-4 0 6470

2 40654 54.9881 165.2972 0135842 331.7291 27.6380 15.46929185112704

NO-83

1 40655U 15025E 19171.28598547 .00043505 11233-4 22279-3 0 7837

2 40655 54.9665 50.1441 0058269 42.3328 318.2222 15.79624872113976

DEORBITSAIL

1 40719U 15032E 19171.28239109 .00000245 00000-0 42198-4 0 9994

2 40719 97.9085 63.0753 0015245 304.8934 55.0842 14.76737277212496

NUDT-PHONESAT

1 40900U 15049B 19171.87661148 .00001111 00000-0 50527-4 0 9999

2 40900 97.4362 181.1900 0013002 169.2959 277.7882 15.22771905207990

XW-2A

1 40903U 15049E 19171.79042315 .00001092 00000-0 27703-4 0 9990

2 40903 97.3373 214.5664 0014952 132.5287 318.0043 15.41836645210574

XW-2C

1 40906U 15049H 19171.71392758 .00000211 00000-0 14551-4 0 9993

2 40906 97.4664 173.7581 0014448 185.5094 262.0165 15.15667300207300

XW-2D

1 40907U 15049J 19171.75992417 .00000151 00000-0 11338-4 0 9999

2 40907 97.4639 173.4814 0014085 182.2372 279.5403 15.15853388207322

LILACSAT-2

1 40908U 15049K 19171.84642455 -.00000099 00000-0 -18355-5 0 9994

2 40908 97.4773 172.4229 0015490 189.2144 290.4924 15.13795769207131

XW-2E

1 40909U 15049L 19171.68610804 .00000534 00000-0 29724-4 0 9993

2 40909 97.4577 176.1998 0013422 178.0576 272.3544 15.17769611207493

XW-2F

1 40910U 15049M 19171.71741946 .00000496 00000-0 28216-4 0 9993

2 40910 97.4610 175.4180 0014770 175.7980 272.1127 15.17283418207321

XW-2B

1 40911U 15049N 19171.72391870 .00000455 00000-0 27279-4 0 9995

2 40911 97.4663 174.0941 0013707 183.1312 263.6665 15.15786445207217

DCBB

1 40912U 15049P 19171.79427083 .00000682 00000-0 35208-4 0 9992

2 40912 97.4493 179.1210 0015514 158.6886 196.6630 15.19593493207620

TW-1C

1 40926U 15051B 19171.83721642 .00006557 00000-0 96581-4 0 9991

2 40926 97.1348 218.0088 0008123 20.1278 67.7798 15.55726917210494

TW-1A

1 40928U 15051D 19171.83045348 .00001872 00000-0 47625-4 0 9995

2 40928 97.1444 203.0862 0012933 68.0562 16.4990 15.40768097209502

IO-86

1 40931U 15052B 19171.03760746 .00000611 00000-0 -38292-5 0 9990

2 40931 6.0087 47.0742 0012050 172.1547 187.8031 14.76607794201461

LQSat

1 40958U 15057A 19170.85440366 .00000003 00000-0 81219-5 0 9997

2 40958 097.8986 240.0200 0016989 234.9975 124.9639 14.73081638198985

AO-85

1 40967U 15058D 19171.35303428 -.00000038 00000 0 14711-4 0 7247

2 40967 64.7747 153.3283 0200082 202.3276 156.9010 14.75953231107989

ATHENOXAT-1

1 41168U 15077C 19171.28824463 .00001210 00000-0 28209-4 0 9995

2 41168 14.9871 204.3770 0011532 114.9170 245.2350 15.13625279194220

ChubuSat-2

1 41338U 16012B 19171.28860852 .00000196 00000-0 84779-5 0 9993

2 41338 31.0021 134.6197 0013782 119.2771 240.9244 15.00151588183155

ChubuSat-3

1 41339U 16012C 19171.32443665 .00000229 00000-0 11017-4 0 9999

2 41339 31.0080 132.4835 0013545 127.3814 232.8055 15.00327629183152

Horyu-4

1 41340U 16012D 19171.23395998 .00000283 00000-0 14800-4 0 9999

2 41340 31.0042 124.4542 0014037 144.6490 215.5078 15.01264323183242

OUFTI-1

1 41458U 16025C 19171.18354609 .00000829 00000-0 46455-4 0 9998

2 41458 98.1018 258.1010 0166241 352.6032 7.2742 15.05809061172792

e-st@r-II

1 41459U 16025D 19171.79852457 -.00000155 00000-0 -31351-5 0 9994

2 41459 98.1019 258.4094 0167568 351.7800 8.0679 15.05446157172864

AAUSAT4

1 41460U 16025E 19171.83797851 .00001019 00000-0 55209-4 0 9992

2 41460 98.0955 259.6945 0157792 344.2629 15.3711 15.07330840172991

LO-87

1 41557U 16033B 19171.87871098 .00000676 00000-0 28117-4 0 9994

2 41557 97.4180 259.3655 0012209 292.8753 67.1196 15.27204658170422

NuSat2

1 41558U 16033C 19171.64872955 .00000745 00000-0 29010-4 0 9993

2 41558 97.4207 260.1890 0011277 295.1228 64.8841 15.29110839170432

Lapan A3

1 41603U 16040E 19171.82197302 .00000157 00000-0 10480-4 0 9996

2 41603 97.3602 230.4836 0014580 37.3849 73.1158 15.19717142166063

Swayam

1 41607U 16040J 19170.84814482 .00000866 00000-0 39374-4 0 9996

2 41607 97.3654 232.8743 0014303 34.1359 326.0795 15.23288429166053

Pratham

1 41783U 16059A 19171.71963015 .00000025 00000-0 14147-4 0 9993

2 41783 98.0672 231.2569 0033948 20.0543 340.1984 14.62995811145843

AlSat 1N

1 41789U 16059G 19171.77489740 .00000023 00000-0 13490-4 0 9991

2 41789 98.0696 233.3092 0028694 10.0107 350.1648 14.64244686145955

ScatSat

1 41790U 16059H 19171.71887534 -.00000012 00000-0 78646-5 0 9994

2 41790 98.2088 216.7556 0004651 333.5659 26.5298 14.50820281144620

TY-1

1 41844U 16066D 19171.86471704 .00000450 00000-0 21331-4 0 9999

2 41844 97.4041 179.2095 0014968 173.9787 270.5403 15.24274513145028

Pegasus-1

1 41846U 16066F 19171.06198216 .00000231 00000-0 46269-4 0 9991

2 41846 98.7110 211.2838 0366578 234.2175 122.4420 14.37571748136759

CAS-2T

1 41847U 16066G 19171.13956376 .00000057 00000-0 19779-4 0 9991

2 41847 98.7053 211.8920 0365040 230.5270 126.3100 14.37988660137206

EO-88

1 42017U 17008BX 19171.66531376 .00000889 00000-0 37921-4 0 9997

2 42017 97.4030 238.7393 0007066 148.9648 211.2009 15.25519821130225

NJUST-1

1 42722U 98067MB 19171.46749147 .00145599 20398-4 25168-3 0 9992

2 42722 51.6293 258.7438 0005721 339.8876 110.0934 16.01975320118722

nSIGHT1

1 42726U 98067MF 19171.87295220 .00015144 00000-0 12069-3 0 9991

2 42726 51.6367 297.5530 0004340 185.7234 174.3715 15.71400747118164

Aoxiang-1

1 42735U 98067MQ 19171.48220457 .00622833 24367-3 39156-3 0 9998

2 42735 51.6203 253.2284 0009773 340.5121 132.3825 16.17040034119920

CAS-4B

1 42759U 17034B 19171.52594372 .00000059 00000-0 17156-4 0 9996

2 42759 43.0176 220.7070 0012423 265.4573 202.1315 15.09586103111119

CAS-4A

1 42761U 17034D 19171.55790792 -.00000082 00000-0 85566-5 0 9994

2 42761 43.0178 220.0654 0012729 267.6609 214.9301 15.09662305111113

UCLSat

1 42765U 17036A 19170.85133698 .00000642 00000-0 30454-4 0 9994

2 42765 97.3509 228.8374 0010345 218.7343 141.3153 15.22733005110642

NIUSat

1 42766U 17036B 19171.14895873 .00000532 00000-0 26932-4 0 9992

2 42766 97.3506 227.5491 0014850 209.8054 150.2337 15.21098420110457

LituanicaSAT 2

1 42768U 17036D 19171.15874140 .00001150 00000-0 52104-4 0 9996

2 42768 97.3543 228.7402 0014299 208.8809 151.1637 15.22777820110530

Aalto 1

1 42775U 17036L 19171.63569766 .00000431 00000-0 22279-4 0 9993

2 42775 97.3493 228.3498 0013198 207.2487 152.8058 15.21330910110501

URSA MAIOR

1 42776U 17036M 19171.66206256 .00000480 00000-0 24380-4 0 9998

2 42776 97.3503 228.5235 0013024 207.0093 153.0467 15.21462608110512

Max Valier Sat

1 42778U 17036P 19171.63245944 .00000525 00000-0 25995-4 0 9997

2 42778 97.3541 229.2567 0011467 210.2963 149.7611 15.22009048110534

Pegasus

1 42784U 17036V 19171.66457647 .00000622 00000-0 29825-4 0 9996

2 42784 97.3513 229.4538 0010975 216.7151 143.3334 15.22482328110564

NUDATSat

1 42787U 17036Y 19171.26715304 .00001292 00000-0 57139-4 0 9995

2 42787 97.3544 229.7415 0009854 226.1193 133.9226 15.23441550110381

SUCHAI 1

1 42788U 17036Z 19171.14550807 .00000747 00000-0 34784-4 0 9993

2 42788 97.3517 229.2454 0010531 217.5288 142.5215 15.22894491110573

SKCUBE

1 42789U 17036AA 19170.89852302 .00000708 00000-0 33220-4 0 9991

2 42789 097.3513 228.9465 0010388 218.4682 141.5815 15.22795140110459

VZLUSAT 1

1 42790U 17036AB 19170.92556561 .00000952 00000-0 42850-4 0 9995

2 42790 097.3528 229.4123 0009974 216.8940 143.1612 15.23437389110487

VENTA 1

1 42791U 17036AC 19170.80686323 .00000642 00000-0 30393-4 0 9998

2 42791 097.3513 228.9082 0009986 219.3194 140.7318 15.22808815110438

Robusta 1B

1 42792U 17036AD 19171.15778372 .00000732 00000-0 34096-4 0 9998

2 42792 97.3514 229.3478 0009964 217.9822 142.0713 15.22960845110517

D-SAT

1 42794U 17036AF 19171.08286519 .00000257 00000-0 27507-4 0 9990

2 42794 97.5390 215.7259 0127733 136.5449 224.5924 14.91094228108543

TechnoSat

1 42829U 17042E 19171.69229114 .00000023 00000-0 77529-5 0 9992

2 42829 97.5640 64.4913 0015622 56.8621 303.4095 14.90972950105230

TOMSK-TPU 120

1 42910U 98067MZ 19171.54130791 .00037146 00000-0 16274-3 0 9999

2 42910 51.6356 279.6789 0001367 222.7727 231.7428 15.84261810105322

TANYUSHA 1

1 42911U 98067NA 19171.52259116 .00119603 17092-4 25869-3 0 9993

2 42911 51.6235 268.0266 0004722 334.9781 119.7863 15.98170640105452

TANYUSHA 2

1 42912U 98067NB 19171.52906193 .00060284 12484-4 20238-3 0 9993

2 42912 51.6360 274.3369 0002318 299.2443 172.2663 15.90477790105396

TNS 0-2

1 42914U 98067ND 19171.12068633 .00040033 00000-0 16990-3 0 9996

2 42914 51.6341 282.4293 0001570 229.7751 130.3116 15.84892571105245

QIKCOM-1

1 42983U 98067NF 19171.69101209 .00002124 00000-0 33385-4 0 9998

2 42983 51.6407 330.1948 0004567 130.2436 229.8957 15.58848343 93654

AO-91

1 43017U 17073E 19171.29028460 .00000197 00000-0 20740-4 0 9997

2 43017 97.7235 92.5893 0258832 152.9357 208.5627 14.78545127 85496

EcAMSat

1 43019U 98067NG 19171.65701844 .00003889 00000-0 51057-4 0 9991

2 43019 51.6413 325.5093 0005027 113.6592 246.4930 15.61242837176031

PICSAT

1 43132U 18004X 19171.14836724 .00000754 00000-0 34533-4 0 9998

2 43132 97.4883 238.9636 0008191 245.1540 114.8845 15.23560890 79726

AO-92

1 43137U 18004AC 19171.14003506 .00000573 00000-0 27071-4 0 9995

2 43137 97.4874 238.9396 0007741 247.1423 112.8997 15.23454082 79716

TianYi 2

1 43155U 18008A 19171.73530105 .00000720 00000-0 46679-4 0 9993

2 43155 97.4874 244.2332 0016714 322.3661 151.8294 15.11138087 78135

Zhou Enlai

1 43156U 18008B 19171.78345705 .00000185 00000-0 15008-4 0 9996

2 43156 97.4914 244.1763 0013714 320.8639 155.5394 15.10636339 78115

TianYi 6

1 43158U 18008D 19171.76299209 .00000312 00000-0 22937-4 0 9994

2 43158 97.4842 243.6351 0013612 318.9710 157.8926 15.10230184 78078

S-Net G

1 43186U 18014G 19170.96261052 .00000647 00000-0 61770-4 0 9997

2 43186 97.7101 79.3987 0011253 10.8027 349.3434 14.96644624 75325

S-Net H

1 43187U 18014H 19171.36358343 .00000636 00000-0 60831-4 0 9998

2 43187 97.7099 79.7822 0011221 9.3694 350.7735 14.96645199 75386

S-Net J

1 43188U 18014J 19171.16280467 .00000642 00000-0 61348-4 0 9999

2 43188 97.7101 79.6011 0011229 10.1781 349.9666 14.96644484 75351

S-Net K

1 43189U 18014K 19171.76485339 .00000617 00000-0 59186-4 0 9990

2 43189 97.7099 80.1750 0011195 8.1365 352.0036 14.96645165 73993

FMN 1

1 43192U 18015A 19171.43390247 .00000940 00000-0 41390-4 0 9999

2 43192 97.3991 299.1571 0014840 290.4920 69.4724 15.24255383 76582

Shaonian Xing

1 43199U 18015H 19171.24741914 .00000702 00000-0 31134-4 0 9997

2 43199 97.3774 298.0946 0015739 302.8989 57.0734 15.24772119 76601

1KUNS-PF

1 43466U 98067NP 19171.63682070 .00014645 00000-0 14435-3 0 9994

2 43466 51.6379 324.5536 0000879 143.2619 216.8437 15.66207671 63229

UBAKUSAT

1 43467U 98067NQ 19171.65039604 .00008557 00000-0 98818-4 0 9999

2 43467 51.6381 328.3939 0002553 87.3989 272.7297 15.62819163 63182

Irazu

1 43468U 98067NR 19171.49516650 .00017754 00000-0 15507-3 0 9995

2 43468 51.6368 322.0840 0000750 174.3530 185.7476 15.69036594163231

EnduroSat One

1 43551U 98067NZ 19171.47862839 .00009193 00000-0 10540-3 0 9999

2 43551 51.6382 331.7460 0006001 152.4720 207.6593 15.62893705 53351

EQUISat

1 43552U 98067PA 19171.65213250 .00008948 00000-0 10760-3 0 9998

2 43552 51.6396 332.1734 0006392 151.0538 209.0811 15.61683462 53323

UiTMSat 1

1 43589U 98067PD 19171.65520087 .00009779 00000-0 11658-3 0 9997

2 43589 51.6370 332.8945 0005698 159.0971 201.0257 15.61783481 49056

Maya 1

1 43590U 98067PE 19171.65027553 .00009888 00000-0 11773-3 0 9998

2 43590 51.6371 332.8655 0005744 159.3090 200.8137 15.61803046 48989

Bhutan 1

1 43591U 98067PF 19171.64087236 .00009692 00000-0 11527-3 0 9992

2 43591 51.6382 332.8224 0005893 159.7826 200.3402 15.61859110 48983

SiriusSat 1

1 43595U 98067PG 19170.92384034 .00008279 00000-0 10246-3 0 9999

2 43595 51.6371 337.7633 0003866 117.5795 242.5592 15.61052918 48033

SiriusSat 2

1 43596U 98067PH 19171.46654285 .00008056 00000-0 10044-3 0 9997

2 43596 51.6383 335.4211 0004393 119.5481 240.5951 15.60899610 48117

Tanusha-3

1 43597U 98067PJ 19171.14265628 .00010151 00000-0 11797-3 0 9997

2 43597 51.6366 335.4494 0003892 133.6873 226.4444 15.62405962 48088

SurfSat

1 43614U 18070B 19171.09443418 .00001306 00000-0 35636-4 0 9993

2 43614 93.0222 4.2517 0013681 306.8343 53.1655 15.37521328 42629

CP-7 DAVE

1 43615U 18070C 19171.49075429 .00001168 00000-0 31962-4 0 9995

2 43615 93.0226 4.4164 0013823 304.2021 55.7921 15.37444833 42682

ELFIN-B

1 43616U 18070D 19170.78216468 .00002002 00000-0 53552-4 0 9994

2 43616 93.0189 4.0383 0014849 311.5273 48.4706 15.38054782 42589

ELFIN-A

1 43617U 18070E 19171.16636413 .00001772 00000-0 47379-4 0 9997

2 43617 93.0244 4.4131 0013826 306.4609 53.5369 15.38094750 42645

STARS-Me Mother

1 43640U 98067PQ 19171.47776900 .00005217 00000-0 73425-4 0 9996

2 43640 51.6380 338.4871 0005858 105.3391 254.8250 15.58517766 40005

CubeBel 1

1 43666U 18083E 19171.86848557 .00000752 00000-0 40767-4 0 9997

2 43666 97.5190 196.3328 0015162 174.3166 309.8193 15.17578101 35617

Changshagaoxin

1 43669U 18083H 19170.90497644 .00000432 00000-0 25390-4 0 9991

2 43669 097.5058 194.6797 0011261 167.9708 192.1797 15.16784231035413

Ten-Koh

1 43677U 18084G 19171.30114007 -.00000008 00000-0 50954-5 0 9990

2 43677 97.8520 285.0205 0014561 277.4993 82.4571 14.90168855 34854

PO-101

1 43678U 18084H 19171.81957055 .00000322 00000-0 37787-4 0 9991

2 43678 97.8512 286.0556 0008683 301.9218 58.1165 14.91557542 34964

IRVINE 01

1 43693U 18088D 19171.85135296 .00001476 00000-0 63817-4 0 9995

2 43693 85.0351 316.6882 0018489 178.1287 182.0028 15.21373200 33693

QO-100

1 43700U 18090A 19171.32713927 .00000139 00000-0 00000 0 0 9997

2 43700 0.0172 339.6525 0001525 124.0804 308.1266 1.00275713 2319

Reaktor Hello World

1 43743U 18096AA 19171.86900255 .00000653 00000-0 27707-4 0 9990

2 43743 97.4600 241.8641 0017436 333.2419 138.8740 15.26606322 31065

MinXSS-2

1 43758U 18099A 19171.62708216 .00000367 00000-0 38393-4 0 9991

2 43758 97.7452 243.6573 0014618 326.1969 33.8319 14.95408553 29720

AO-95

1 43770U 18099N 19171.17544667 -.00000175 00000-0 -10788-4 0 9990

2 43770 97.7453 243.0259 0013881 334.6541 25.3997 14.94764403 29648

RANGE-B

1 43772U 18099Q 19171.16433741 .00000214 00000-0 24926-4 0 9992

2 43772 97.7506 243.1672 0013092 321.4858 38.5428 14.94870698 29636

RANGE-A

1 43773U 18099R 19170.90039046 -.00000028 00000-0 27319-5 0 9998

2 43773 097.7400 242.6443 0012568 322.8483 037.1866 14.94802162029593

MOVE-II

1 43780U 18099Y 19171.67763651 .00000505 00000-0 51365-4 0 9993

2 43780 97.7426 243.5583 0012417 330.1976 29.8526 14.95052257 29703

SNUSat 2

1 43782U 18099AA 19171.20378644 .00000390 00000-0 40866-4 0 9994

2 43782 97.7446 243.1320 0011709 321.5539 38.4847 14.95048041 29645

SnugLite

1 43784U 18099AC 19171.19376729 .00000094 00000-0 13843-4 0 9992

2 43784 97.7412 243.0556 0014240 329.0539 30.9841 14.95127779 29654

ITASat 1

1 43786U 18099AE 19171.19184085 -.00000021 00000-0 34207-5 0 9995

2 43786 97.7464 243.1957 0014352 327.9203 32.1143 14.95133879 29655

EAGLET 1

1 43790U 18099AJ 19171.74361807 .00000524 00000-0 52464-4 0 9991

2 43790 97.7456 243.8336 0012568 332.4920 27.5634 14.95511117 29437

ESEO

1 43792U 18099AL 19171.20592804 .00000342 00000-0 36113-4 0 9998

2 43792 97.7435 243.2622 0012397 331.0389 29.0143 14.95504369 29413

CSIM

1 43793U 18099AM 19171.19237259 .00000184 00000-0 21749-4 0 9990

2 43793 97.7396 243.1547 0012032 328.4520 31.5978 14.95686710 29389

Astrocast 0.1

1 43798U 18099AS 19171.17730973 -.00000402 00000-0 -30869-4 0 9992

2 43798 97.7444 243.3102 0011377 313.6721 46.3556 14.95731837 29643

JO-97

1 43803U 18099AX 19171.17646963 -.00000249 00000-0 -17340-4 0 9992

2 43803 97.7425 243.1039 0014365 329.1500 30.8875 14.95266077 29644

Suomi 100

1 43804U 18099AY 19171.91210533 -.00000139 00000-0 -73712-5 0 9999

2 43804 97.7428 243.8291 0014479 327.7226 32.3116 14.95266780 29769

Al Farabi 2

1 43805U 18099AZ 19171.63975055 -.00000127 00000-0 -62209-5 0 9992

2 43805 97.7427 243.5733 0014412 327.8772 32.1569 14.95322666 29723

PWSat 2

1 43814U 18099BJ 19171.22729327 .00012030 00000-0 98114-3 0 9992

2 43814 97.7813 244.1187 0002626 337.6301 22.4806 14.99603157 29089

CHOMPTT

1 43855U 18104G 19171.40650903 .00000556 00000-0 22230-4 0 9994

2 43855 85.0381 55.3086 0016437 318.3509 41.6498 15.22375663 28281

ISAT

1 43879U 18111D 19170.92975874 -.00000110 00000-0 -46404-5 0 9999

2 43879 097.7183 078.9197 0013970 025.7214 334.4699 14.95984609026124

UWE-4

1 43880U 18111E 19171.16879118 .00000499 00000-0 49318-4 0 9996

2 43880 97.7197 79.2422 0013200 27.4994 332.6923 14.96229944 24174

Sparrow

1 43881U 18111F 19171.96600523 .00000572 00000-0 55716-4 0 9998

2 43881 97.7216 80.0485 0012942 22.5622 337.6169 14.96276578 24297

Lume 1

1 43908U 18111AJ 19171.63826158 .00000624 00000-0 28260-4 0 9998

2 43908 97.2901 76.8374 0021387 349.4855 10.5933 15.24329900 26743

FO-98

1 43933U 19003B 19171.85370824 .00000414 00000-0 21241-4 0 9994

2 43933 97.2824 229.3494 0019992 78.9902 9.5062 15.21627695 23386

FO-99

1 43937U 19003F 19171.86721145 .00000757 00000-0 34293-4 0 9996

2 43937 97.2768 229.6833 0026231 65.8259 44.7092 15.23564944 23418

Delphini 1

1 44030U 98067PW 19171.66013849 .00007072 00000-0 10441-3 0 9996

2 44030 51.6393 341.2069 0005044 150.3082 209.8197 15.56558479 21854

MYSat 1

1 44045U 18092F 19171.80384597 .00000680 00000-0 30981-4 0 9999

2 44045 51.6434 0.6660 0012687 97.8771 262.3639 15.34926009 19564

AstroCast 0.2

1 44083U 19018F 19171.64818874 .00000284 00000-0 15773-4 0 9994

2 44083 97.4684 231.6183 0014149 9.0394 351.1093 15.21375230 12214

AISTechSat 3

1 44103U 19018AB 19171.64961782 .00000473 00000-0 23348-4 0 9991

2 44103 97.4563 231.6228 0014313 27.2369 332.9615 15.22623126 12218

AISat 1

1 44104U 19018AC 19171.63103602 .00000564 00000-0 20849-4 0 9994

2 44104 97.5094 233.0851 0060556 60.8206 299.9075 15.30463397 12303

/EX