

Bland Thinsat I Launch and Data from Earth Orbit

View the launch video of our Bland ThinSat I on YouTube at:

<https://youtu.be/LNCJmOKH-n0>

```
"uniqueID": "0-3218714"
}

{
  "SI01-1 / accelerometer X(g-force)": "-0.024888",
  "SI01-2 / accelerometer Y(g-force)": "0.015006",
  "SI01-3 / accelerometer Z(g-force)": "0.012078",
  "SI01-4 / gyroscope X(dps)": "0.009659999999999998",
  "SI01-6 / gyroscope Z(dps)": "-0.06663999999999999",
  "SI01-7 / magnetometer X(gauss)": "0.18871999999999997",
  "SI01-8 / magnetometer Y(gauss)": "0.02127999999999997",
  "SI01-9 / magnetometer Z(gauss)": "0.05543999999999996",
  "SL01-1 / Ambient Light(Lux)": "125728",
  "SL01-2 / UVA(mW/cm^2)": "12694",
  "SL01-3 / UVB(mW/cm^2)": "13291",
  "nslFunctionCode": "3C",
  "rawPacket35": "0104C87A05963106EB330868FE09F6000AC6000B45000D24FE0E44050F9800108C0100",
  "seqCount": "1",
  "timestamp": "2019-04-17 23:18:47",
  "uniqueID": "0-3218714"
}

{
  "SI01-10 / Roll(degrees)": "17",
  "SI01-11 / Pitch(degrees)": "-62",
  "SI01-12 / Yaw(degrees)": "0",
  "SL19-2 / Object Temp(C)": "-4.299999999999997",
  "SW10-1 / Temperature(C)": "9.799999999999997",
  "SW10-2 / Temperature(C)": "9.799999999999997",
  "SW10-3 / Temperature(C)": "9.799999999999997",
  "SW10-4 / Temperature(C)": "11.600000000000009",
  "SW10-5 / Temperature(C)": "9.799999999999997",
  "nslFunctionCode": "3C",
  "rawPacket35": "02111112C213001DD50C204821482248234A24480000000000000000000000000000",
  "seqCount": "2",
  "timestamp": "2019-04-17 23:16:55",
  "uniqueID": "0-3218714"
}

{
  "SI01-10 / Roll(degrees)": "22",
  "SI01-11 / Pitch(degrees)": "-58",
  "SI01-12 / Yaw(degrees)": "57",
  "SL19-2 / Object Temp(C)": "-60.94",
  "SW10-1 / Temperature(C)": "5.300000000000004",
  "SW10-2 / Temperature(C)": "4.399999999999999",
  "SW10-3 / Temperature(C)": "4.399999999999999",
  "SW10-4 / Temperature(C)": "4.399999999999999",
  "SW10-5 / Temperature(C)": "4.399999999999999",
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  "seqCount": "2",
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  "uniqueID": "0-3218714"
}

{
  "SI01-10 / Roll(degrees)": "23",
  "SI01-11 / Pitch(degrees)": "-57",
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```
"SI01-12 / Yaw(degrees)": "0",
"SL19-2 / Object Temp(C)": "-39.980000000000004",
"SW10-1 / Temperature(C)": "22.400000000000006",
"SW10-2 / Temperature(C)": "24.200000000000003",
"SW10-3 / Temperature(C)": "22.400000000000006",
"SW10-4 / Temperature(C)": "21.5",
"SW10-5 / Temperature(C)": "21.5",
"nslFunctionCode": "3C",
"rawPacket35": "02111712C713001DDD05205621582256235524550000000000000000000000000000",
"seqCount": "2",
"timestamp": "2019-04-17 22:46:55",
"uniqueID": "0-3218714"
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{
"SI01-10 / Roll(degrees)": "23",
"SI01-11 / Pitch(degrees)": "-27",
"SI01-12 / Yaw(degrees)": "114",
"SL19-2 / Object Temp(C)": "1183.22",
"SW10-1 / Temperature(C)": "17",
"SW10-2 / Temperature(C)": "19.700000000000003",
"SW10-3 / Temperature(C)": "17.900000000000006",
"SW10-4 / Temperature(C)": "18.799999999999997",
"SW10-5 / Temperature(C)": "15.200000000000003",
"nslFunctionCode": "3C",
"rawPacket35": "02111712E513721DC5F42050215322512352244E0000000000000000000000000000",
"seqCount": "2",
"timestamp": "2019-04-17 22:32:03",
"uniqueID": "0-3218714"
}

{
"SI01-1 / accelerometer X(g-force)": "-0.026657",
"SI01-2 / accelerometer Y(g-force)": "0.000244",
"SI01-3 / accelerometer Z(g-force)": "0.008357",
"SI01-4 / gyroscope X(dps)": "-0.025339999999999998",
"SI01-6 / gyroscope Z(dps)": "-0.02072",
"SI01-7 / magnetometer X(gauss)": "-0.062439999999999996",
"SI01-8 / magnetometer Y(gauss)": "-0.0147",
"SI01-9 / magnetometer Z(gauss)": "-0.29456",
"SL01-1 / Ambient Light(Lux)": "5144",
"SL01-2 / UVA(mW/cm^2)": "5996",
"SL01-3 / UVB(mW/cm^2)": "8496",
"nslFunctionCode": "3C",
"rawPacket35": "01040605056C17063021084BFE0904000A89000B4BFF0D6CFF0E42FE0F97FF10C8F700",
"seqCount": "1",
"timestamp": "2019-04-17 22:22:45",
"uniqueID": "0-3218714"
}

{
"SI01-10 / Roll(degrees)": "22",
"SI01-11 / Pitch(degrees)": "-33",
"SI01-12 / Yaw(degrees)": "-114",
"SL19-2 / Object Temp(C)": "1183.06",
"SW10-1 / Temperature(C)": "17.900000000000006",
"SW10-2 / Temperature(C)": "19.700000000000003",
"SW10-3 / Temperature(C)": "17.900000000000006",
"SW10-4 / Temperature(C)": "19.700000000000003",

```

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```
"SW10-5 / Temperature(C)": "17",  
"ns1FunctionCode": "3C",  
"rawPacket35": "02111612DF138E1DBDF420512153225123532450000000000000000000000000000",  
"seqCount": "2",  
"timestamp": "2019-04-17 22:17:11",  
"uniqueID": "0-3218714"  
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