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DATA ITEM DESCRIPTION

Form Approved
OMB No. 0704-0188

2. TITLE	1. IDENTIFICATION NUMBER
Space Object Identification (SOI) Discrimination (SOIDIS) Report	DI-MISC-80472

3. DESCRIPTION / PURPOSE

3.1 The purpose of this report is to identify an event, the amount and type of data taken, proportion of signature data, and Signature Average/Signature Maximum (SIGAVE/SIGMAX) values. This information is used in satellite identification.

4. APPROVAL DATE (YYMMDD)	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)	6a. DTIC REQUIRED	6b. GIDEP REQUIRED
871026	F/HQ AFSPACECOM-DOSS		

7. APPLICATION / INTERRELATIONSHIP

7.1 This data item description contains the format and content preparation instructions for the data product generated by the specific and discrete task requirement as delineated in the contract.

8. APPROVAL LIMITATION	9a. APPLICABLE FORMS	9b. AMSC NUMBER
		F4253

10. PREPARATION INSTRUCTIONS

10.1 General. This report shall be in message format and consist of the following information associated with a SOI track:

a. Event identification.

b. Amount and type of data taken.

c. The proportion of signature data being sent.

d. SIGMAX and SIGAVE values.

10.2 Report Classification and Emergency Status Code. SOIDIS reports are UNCLASSIFIED and Emergency Status Code is D.

10.3 SOIDIS Report Format. The SOI Discrimination Report has a fixed field format. All fields must be completely filled in. If an item is unknown or unapplicable, it is filled with zeros. Each discrimination report contains one line for each object tracked during the pass. Particular sections of the report are identified below. The remarks section

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11. DISTRIBUTION STATEMENT

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of the SOIDIS includes SIGMAX and SIGAVE information for each significant piece tracked. Provide this information in this format: SSC No. XXXX SIGMAX + XX.X SIGAVE - XX.X.

a. The time separation from the reference piece (columns 36-39) is that time difference between the time the reference piece passes through a given point in space and the time the piece being reported on passes through or near the same point. Time separation is positive when the reference piece is leading the piece being reported on, and negative when the reference piece is lagging the piece being reported on. Enter time separation of +000 for the reference piece and +999 for any object whose time separation from the reference piece cannot be determined. Time separation is not required on foreign missiles. NOTE: Positive values are indicated by a leading blank while negative values are indicated by (-) signs.

b. Signature transmission start and end times, columns 23-34, are the start and end times of that portion of the signature which is transmitted. If no signature is sent, enter track time in columns 23-34.

c. Sensors with a range or time recorder shall report distance along the line of sight in the remarks section.

10.4 Sample Message.

US08531345010277603112340212390 8/ 000/1/01/000/01275/00000$$

US94381411020277603112352012385 2/-200/2/06/000/00680/00000$$

Remarks: Object 94381 appears to be the rocket body associated with object 8531.

SSC NO. 6633 SIGMAX +30.2 SIGAVE +24.8

SSC NO. 10361 SIGMAX +22.1 SIGAVE +16.3