

Specification for Heliophysics Event List (Catalogue) Format ("HPEvent" format)

Version 1.0

Heliophysics Data and Model Consortium (HDMC)

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Introduction

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Definition of the Heliophysics Event List Format

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Representation of Time

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Reserved Keywords

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Metadata requirements

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Data Requirements

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Further Notes

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Implementation Notes

ABNF[3] grammar (basic format)

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file = 1* header 1* record
header = # [keyword : SP] text [CR]LF
record = field *( 1* SP field) [CR]LF ; SP is space
field = [" 1* (VCHAR / SP) [" ; All visible characters and space
```

Parsing data

```
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```

Perl

```
use Text::ParseWords;
@fields = quotewords('\s+', 0, record);
```

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Java

```
String[] fields = record.split("[^\\s\\\"]+|\"([^\"]*)\"");
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References

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Appendix 1: Example Data File

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