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|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Uplink Messages | | | | | | | | | | |
| FPN | FPC | PER | LDI | PWI | PWM | POS | REQ | ALT | LIM | NDB |
| RP  RI  RM  FN  RA  MW  SD  SN | RP  RI  RM  FN  RA  GA  SN | PD  SN | RW  CG  SN | WD  DD  CB  AW  CS  DS  SN  PG  TR | WM  DD  CB  AW  CS  DS  SN  PG  TM | RF  SN | FPN  FPC  PER  LDI  POS  PRG  PRF  TOD  XXX  Report IEIs | AI  AE  AN  AS | PL | SD |

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Uplink IEIs

|  |  |
| --- | --- |
| **IEI** | **DESCRIPTION** |
| TR | WAYPOINT TROPOPAUSE DATA |
| TM | MOD WAYPOINT TROPOPAUSE DATA |

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Section 7 IEI and Associated Elements

|  |  |  |
| --- | --- | --- |
| TR | TROPOPAUSE DATA  EXAMPLE: /TRSEA,600,M60.N4030W110,550,M58  IEI CONTENT  LIST ENTRY:  WAYPOINT NAME OR POSITION  WAYPOINT TROPOPAUSE ALTITUDE  WAYPOINT TROPOPAUSE TEMPERATURE | Consists of a variable length list of entries that include the waypoints, the waypoint tropopause altitude and the waypoint tropopause temperature. |
| TM | MOD TROPOPAUSE DATA  Example:/TMSEA,550,M55.N4030W110,570,M55  IEI CONTENT  LIST ENTRY:  WAYPOINT NAME OR POSITION  WAYPOINT TROPOPAUSE ALTITUDE MODIFICATION  WAYPOINT TROPOPAUSE TEMPERATURE MODIFICATION | Consists of a variable length list of entries that include the waypoint, the waypoint tropopause altitude modification and the waypoint tropopause tempereature modification. |

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Section 8 Element Definitions

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Element Description | Type | Length Type | Elem Type | Char Length | Scale | Units | Notes |
| WAYPOINT TROPOPAUSE ALTITUDE | F | S | N | 3 | 100 | Feet |  |
| WAYPOINT TROPOPAUSE TEMPERATURE  DIRECTIONAL  MAGNITUDE | F  F  F | S | AN  A  N | 3  1  2 | 1 | P=Plus  M=Minus  Degrees |  |
| WAYPOINT TROPOPAUSE ALTITUDE MODIFICATION | F | S | N | 3 | 100 | Feet |  |
| WAYPOINT TROPOPAUSE TEMPERATURE MODIFICATION  DIRECTIONAL  MAGNITUDE | F  F  F | S | AN  A  N | 3  1  2 | 1 | P=Plus  M=Minus  Degrees |  |

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Section 10.2 Error Data Codes

|  |  |  |
| --- | --- | --- |
| **DEC CODE** | **HEX CODE** | **DESCRIPTION** |
| 418 | 1A2 | WAYPOINT TROPOPAUSE ALTITUDE DATA CODE |
| 419 | 1A3 | WAYPOINT TROPOPAUSE TEMPERATURE DATA CODE |
| 420 | 1A4 | WAYPOINT TROPOPAUSE ALTITUDE MODIFICATION DATA CODE |
| 421 | 1A5 | WAYPOINT TROPOPAUSE TEMPERATURE MODIFICATION DATA CODE |