 

RRPP-TN-0018-CS

COPERNICUS - REPROCESSING REFERENCE PACKAGE PREPARATION

Overview of Selection Rules

Version 1 - 21 October 2022

Document Change Record

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# Introduction

This document provides the list of selection rules for the Auxiliary Data Files of Sentinel 1, 2, 3 missions.

The users should be aware that these rules have been gathered from Sentinel documentation older than 2020 and from mail exchanges with ESA.

Therefore, these rules might have changed or mistaken.

The identification numbers of the selection rules are listed here:

|  |  |
| --- | --- |
| **Name** | **Identification** |
| ValIntersectWithoutDuplicate | 1 |
| LatestValIntersect | 2 |
| ValCover | 3 |
| LatestValCover | 4 |
| LatestValidity | 5 |
| LatestValCoverLatestValidity | 6 |
| LatestValidityClosest | 7 |
| BestCentredCover | 8 |
| LatestValCoverClosest | 9 |
| LargestOverlap | 10 |
| LatestGeneration | 11 |
| ClosestStartValidity | 12 |
| ClosestStopValidity | 13 |
| LatestStopValidity | 14 |

The following table in the next chapter gives the selection rule for each ADF type.

# Selection Rules

ADF type Selection Rule Mission

|  |  |  |
| --- | --- | --- |
| AUX\_PP1 | 4 | S1SAR |
| AUX\_PP2 | 4 | S1SAR |
| AUX\_CAL | 4 | S1SAR |
| AUX\_INS | 4 | S1SAR |
| AUX\_POEORB | 4 | S1SAR |
| AX\_\_\_FRO\_AX | 4 | S3ALL |
| S1\_\_AUX\_SCS | 4 | S1SAR |
| S1\_\_AUX\_WND | 4 | S1SAR |
| S1\_\_AUX\_WAV | 4 | S1SAR |
| S1\_\_AUX\_ICE | 4 | S1SAR |
| AX\_\_\_MA1\_AX | 1 | S3ALL |
| AX\_\_\_MA2\_AX | 1 | S3ALL |
| AX\_\_\_MFA\_AX | 1 | S3ALL |
| AX\_\_\_CST\_AX | 4 | S3ALL |
| AX\_\_\_OSF\_AX | 4 | S3ALL |
| AX\_\_\_DEM\_AX | 2 | S3ALL |
| AX\_\_\_LWM\_AX | 2 | S3ALL |
| AX\_\_\_OOM\_AX | 2 | S3ALL |
| AX\_\_\_CLM\_AX | 2 | S3ALL |
| AX\_\_\_TRM\_AX | 2 | S3ALL |
| AX\_\_\_BB2\_AX | 4 | S3ALL |
| OL\_2\_PCP\_AX | 2 | S3OLCI |
| OL\_2\_PPP\_AX | 2 | S3OLCI |
| OL\_2\_WVP\_AX | 2 | S3OLCI |
| OL\_2\_ACP\_AX | 2 | S3OLCI |
| OL\_2\_OCP\_AX | 2 | S3OLCI |
| OL\_2\_VGP\_AX | 2 | S3OLCI |
| OL\_2\_CLP\_AX | 2 | S3OLCI |
| SR\_1\_USO\_AX | 14 | S3SRAL |
| SR\_2\_CON\_AX | 4 | S3SRAL |
| SR\_\_\_LSM\_AX | 4 | S3SRAL |
| SR\_2\_RMO\_AX | 1 | S3SRAL |
| SR\_2\_POL\_AX | 14 | S3SRAL |
| SR\_2\_RGI\_AX | 1 | S3SRAL |
| SR\_2\_EOT1AX | 4 | S3SRAL |
| SR\_2\_EOT2AX | 4 | S3SRAL |
| SR\_2\_LT1\_AX | 4 | S3SRAL |
| SR\_2\_LT2\_AX | 4 | S3SRAL |
| SR\_2\_LNEQAX | 4 | S3SRAL |
| SR\_2\_MSS1AX | 4 | S3SRAL |
| SR\_2\_MSS2AX | 4 | S3SRAL |
| SR\_2\_GEO\_AX | 4 | S3SRAL |
| SR\_2\_ODLEAX | 4 | S3SRAL |
| SR\_2\_WNDLAX | 4 | S3SRAL |
| SR\_2\_WNDSAX | 4 | S3SRAL |
| SR\_2\_SIGLAX | 4 | S3SRAL |
| SR\_2\_SIGSAX | 4 | S3SRAL |
| SR\_2\_SET\_AX | 4 | S3SRAL |
| SR\_2\_SSM\_AX | 4 | S3SRAL |
| SR\_2\_MSMGAX | 4 | S3SRAL |
| SR\_2\_CP00AX | 4 | S3SRAL |
| SR\_2\_CP06AX | 4 | S3SRAL |
| SR\_2\_CP12AX | 4 | S3SRAL |
| SR\_2\_CP18AX | 4 | S3SRAL |
| SR\_2\_S1AMAX | 4 | S3SRAL |
| SR\_2\_S2AMAX | 4 | S3SRAL |
| SR\_2\_S1PHAX | 4 | S3SRAL |
| SR\_2\_S2PHAX | 4 | S3SRAL |
| SR\_2\_MDT\_AX | 4 | S3SRAL |
| SR\_2\_SHD\_AX | 4 | S3SRAL |
| SR\_2\_SSBLAX | 4 | S3SRAL |
| SR\_2\_SSBSAX | 4 | S3SRAL |
| SR\_2\_SDMMAX | 4 | S3SRAL |
| SR\_2\_SIMMAX | 4 | S3SRAL |
| SR\_2\_SIC\_AX | 5 | S3SRAL |
| SR\_2\_SST\_AX | 4 | S3SRAL |
| SR\_2\_LRC\_AX | 4 | S3SRAL |
| SR\_2\_SFL\_AX | 4 | S3SRAL |
| SR\_2\_FLT\_AX | 4 | S3SRAL |
| SR\_2\_RRC\_AX | 4 | S3SRAL |
| SR\_2\_CCT\_AX | 4 | S3SRAL |
| SR\_2\_SURFAX | 4 | S3SRAL |
| SY\_1\_PCP\_AX | 2 | S3SYN |
| SY\_1\_GCPBAX | 2 | S3SYN |
| OL\_1\_MCHDAX | 2 | S3SYN |
| SL\_1\_MCHDAX | 2 | S3SYN |
| SY\_1\_CDIBAX | 2 | S3SYN |
| SY\_2\_PCP\_AX | 2 | S3SYN |
| SY\_2\_RAD\_AX | 2 | S3SYN |
| SY\_2\_RADPAX | 2 | S3SYN |
| SY\_2\_SPCPAX | 2 | S3SYN |
| SY\_2\_RADSAX | 2 | S3SYN |
| GIP\_L2ACSC | 11 | S2MSI |
| GIP\_L2ACAC | 11 | S2MSI |
| GIP\_PROBA2 | 11 | S2MSI |
| AUX\_UT1UTC\_ | 4 | S2MSI |
| SL\_1\_PCP\_AX | 2 | S3SLSTR |
| SL\_1\_ANC\_AX | 2 | S3SLSTR |
| SL\_1\_N\_S7AX | 2 | S3SLSTR |
| SL\_1\_N\_S8AX | 2 | S3SLSTR |
| SL\_1\_N\_S9AX | 2 | S3SLSTR |
| SL\_1\_N\_F1AX | 2 | S3SLSTR |
| SL\_1\_N\_F2AX | 2 | S3SLSTR |
| SL\_1\_O\_S7AX | 2 | S3SLSTR |
| SL\_1\_O\_S8AX | 2 | S3SLSTR |
| SL\_1\_O\_S9AX | 2 | S3SLSTR |
| SL\_1\_O\_F1AX | 2 | S3SLSTR |
| SL\_1\_O\_F2AX | 2 | S3SLSTR |
| SL\_1\_N\_S1AX | 2 | S3SLSTR |
| SL\_1\_N\_S2AX | 2 | S3SLSTR |
| SL\_1\_N\_S3AX | 2 | S3SLSTR |
| SL\_1\_O\_S1AX | 2 | S3SLSTR |
| SL\_1\_O\_S2AX | 2 | S3SLSTR |
| SL\_1\_O\_S3AX | 2 | S3SLSTR |
| SL\_1\_NAS4AX | 2 | S3SLSTR |
| SL\_1\_NAS5AX | 2 | S3SLSTR |
| SL\_1\_NAS6AX | 2 | S3SLSTR |
| SL\_1\_NBS4AX | 2 | S3SLSTR |
| SL\_1\_NBS5AX | 2 | S3SLSTR |
| SL\_1\_NBS6AX | 2 | S3SLSTR |
| SL\_1\_OAS4AX | 2 | S3SLSTR |
| SL\_1\_OAS5AX | 2 | S3SLSTR |
| SL\_1\_OAS6AX | 2 | S3SLSTR |
| SL\_1\_OBS4AX | 2 | S3SLSTR |
| SL\_1\_OBS5AX | 2 | S3SLSTR |
| SL\_1\_OBS6AX | 2 | S3SLSTR |
| SL\_1\_VSC\_AX | 7 | S3SLSTR |
| SL\_1\_VIC\_AX | 2 | S3SLSTR |
| SL\_1\_GEO\_AX | 2 | S3SLSTR |
| SL\_1\_GEC\_AX | 2 | S3SLSTR |
| SL\_1\_ESSTAX | 2 | S3SLSTR |
| SL\_1\_CLO\_AX | 2 | S3SLSTR |
| SL\_2\_PCP\_AX | 2 | S3SLSTR |
| SL\_2\_S6N\_AX | 2 | S3SLSTR |
| OL\_1\_EO\_\_AX | 2 | S3OLCI |
| OL\_1\_RAC\_AX | 4 | S3OLCI |
| OL\_1\_SPC\_AX | 4 | S3OLCI |
| OL\_1\_CLUTAX | 2 | S3OLCI |
| OL\_1\_INS\_AX | 2 | S3OLCI |
| OL\_1\_CAL\_AX | 2 | S3OLCI |
| OL\_1\_PRG\_AX | 2 | S3OLCI |
| SL\_2\_S7N\_AX | 2 | S3SLSTR |
| SL\_2\_S8N\_AX | 2 | S3SLSTR |
| SL\_2\_S9N\_AX | 2 | S3SLSTR |
| SL\_2\_S7O\_AX | 2 | S3SLSTR |
| SL\_2\_S8O\_AX | 2 | S3SLSTR |
| SL\_2\_S9O\_AX | 2 | S3SLSTR |
| SL\_2\_N2\_CAX | 2 | S3SLSTR |
| SL\_2\_N3RCAX | 2 | S3SLSTR |
| SL\_2\_N3\_CAX | 2 | S3SLSTR |
| SL\_2\_D2\_CAX | 2 | S3SLSTR |
| SL\_2\_D3\_CAX | 2 | S3SLSTR |
| SL\_2\_SST\_AX | 2 | S3SLSTR |
| SL\_2\_SDI3AX | 2 | S3SLSTR |
| SL\_2\_SDI2AX | 2 | S3SLSTR |
| SL\_2\_SSESAX | 2 | S3SLSTR |
| SL\_2\_SSTAAX | 7 | S3SLSTR |
| SL\_2\_LSTCAX | 2 | S3SLSTR |
| SL\_2\_LSTBAX | 2 | S3SLSTR |
| SL\_2\_LSTVAX | 2 | S3SLSTR |
| SL\_2\_LSTWAX | 2 | S3SLSTR |
| SL\_2\_LSTEAX | 2 | S3SLSTR |
| SL\_2\_FRPTAX | 2 | S3SLSTR |
| SY\_2\_PCPSAX | 4 | S3SYN |
| SR\_\_\_CHDNAX | 2 | S3SRAL |
| SR\_\_\_CHDRAX | 2 | S3SRAL |
| SR\_1\_CA1LAX | 14 | S3SRAL |
| SR\_1\_CA1SAX | 14 | S3SRAL |
| SR\_1\_CA2KAX | 14 | S3SRAL |
| SR\_1\_CA2CAX | 14 | S3SRAL |
| SR\_1\_CONCAX | 4 | S3SRAL |
| SR\_1\_CONMAX | 4 | S3SRAL |
| SR\_2\_MAG\_AX | 4 | S3SRAL |
| SR\_2\_IC01AX | 4 | S3SRAL |
| SR\_2\_IC02AX | 4 | S3SRAL |
| SR\_2\_IC03AX | 4 | S3SRAL |
| SR\_2\_IC04AX | 4 | S3SRAL |
| SR\_2\_IC05AX | 4 | S3SRAL |
| SR\_2\_IC06AX | 4 | S3SRAL |
| SR\_2\_IC07AX | 4 | S3SRAL |
| SR\_2\_IC08AX | 4 | S3SRAL |
| SR\_2\_IC09AX | 4 | S3SRAL |
| SR\_2\_IC10AX | 4 | S3SRAL |
| SR\_2\_RET\_AX | 4 | S3SRAL |
| SR\_2\_LUTFAX | 4 | S3SRAL |
| SR\_2\_LUTEAX | 4 | S3SRAL |
| SR\_2\_LUTSAX | 4 | S3SRAL |
| SR\_2\_MLM\_AX | 4 | S3SRAL |
| MW\_1\_SLC\_AX | 2 | S3MWR |
| MW\_\_\_CHDNAX | 2 | S3MWR |
| MW\_\_\_CHDRAX | 2 | S3MWR |
| MW\_\_\_STD\_AX | 2 | S3MWR |
| MW\_1\_NIR\_AX | 14 | S3MWR |
| MW\_1\_DNB\_AX | 14 | S3MWR |
| MW\_1\_MON\_AX | 14 | S3MWR |
| SL\_2\_CFM\_AX | 2 | S3SLSTR |
| SL\_2\_FXPAAX | 2 | S3SLSTR |
| SL\_2\_PCPFAX | 2 | S3SLSTR |
| SL\_2\_PLFMAX | 2 | S3SLSTR |
| SL\_2\_SXPAAX | 2 | S3SLSTR |
| SL\_1\_IRE\_AX | 2 | S3SLSTR |
| SL\_1\_LCC\_AX | 2 | S3SLSTR |
| SL\_1\_CDP\_AX | 2 | S3SLSTR |
| SL\_1\_CLP\_AX | 2 | S3SLSTR |
| SL\_1\_ADJ\_AX | 2 | S3SLSTR |
| SL\_1\_RTT\_AX | 2 | S3SLSTR |
| SL\_1\_CHF1AX | 2 | S3SLSTR |
| SL\_1\_CHS7AX | 2 | S3SLSTR |
| SY\_2\_ACLMAX | 2 | S3SYN |
| SY\_2\_ART\_AX | 2 | S3SYN |
| SY\_2\_LSR\_AX | 2 | S3SYN |
| SY\_2\_OSR\_AX | 2 | S3SYN |
| SY\_2\_AODCAX | 2 | S3SYN |
| SY\_2\_PCPAAX | 2 | S3SYN |
| AMH\_ERRMAT\_MPC | 13 | S1SAR |
| AMV\_ERRMAT\_MPC | 13 | S1SAR |
| GIP\_ATMIMA\_ | 11 | S2MSI |
| GIP\_ATMSAD\_ | 11 | S2MSI |
| GIP\_BLINDP\_ | 11 | S2MSI |
| GIP\_EARMOD\_ | 11 | S2MSI |
| GIP\_CLOPAR\_ | 11 | S2MSI |
| GIP\_CLOINV\_ | 11 | S2MSI |
| GIP\_CONVER\_ | 11 | S2MSI |
| GIP\_DATATI\_ | 11 | S2MSI |
| GIP\_DECOMP\_ | 11 | S2MSI |
| GIP\_G2PARA\_ | 11 | S2MSI |
| GIP\_G2PARE\_ | 11 | S2MSI |
| GIP\_GEOPAR\_ | 11 | S2MSI |
| GIP\_INTDET\_ | 11 | S2MSI |
| GIP\_INVLOC\_ | 11 | S2MSI |
| GIP\_JP2KPA\_ | 11 | S2MSI |
| GIP\_LREXTR\_ | 11 | S2MSI |
| GIP\_MASPAR\_ | 11 | S2MSI |
| GIP\_OLQCPA\_ | 11 | S2MSI |
| GIP\_PRDLOC\_ | 11 | S2MSI |
| GIP\_PROBAS\_ | 11 | S2MSI |
| GIP\_R2ABCA\_ | 4 | S2MSI |
| GIP\_R2BINN\_ | 11 | S2MSI |
| GIP\_R2CRCO\_ | 11 | S2MSI |
| GIP\_R2DECT\_ | 11 | S2MSI |
| GIP\_R2DEFI\_ | 11 | S2MSI |
| GIP\_R2DENT\_ | 11 | S2MSI |
| GIP\_R2DEPI\_ | 4 | S2MSI |
| GIP\_R2EOB2\_ | 4 | S2MSI |
| GIP\_R2EQOG\_ | 4 | S2MSI |
| GIP\_R2L2NC | 11 | S2MSI |
| GIP\_R2NOMO\_ | 11 | S2MSI |
| GIP\_R2PARA\_ | 11 | S2MSI |
| GIP\_R2SWIR\_ | 4 | S2MSI |
| GIP\_R2WAFI\_ | 11 | S2MSI |
| GIP\_RESPAR\_ | 11 | S2MSI |
| GIP\_SPAMOD\_ | 4 | S2MSI |
| GIP\_TILPAR\_ | 11 | S2MSI |
| GIP\_VIEDIR\_ | 11 | S2MSI |
| GIP\_HRTPR\_ | 11 | S2MSI |
| GIP\_ECMWFP | 11 | S2MSI |
| AUX\_CAMSRE | 4 | S2MSI |
| AUX\_CAMSAN | 4 | S2MSI |
| AUX\_ECMWFD | 4 | S2MSI |