

## Annex 4 Table of proposed new variables

See section 3.2 for comments

	Exist	Propose to add
Dimension N_MEASUREMENT	JULD JULD_QC LATITUDE LONGITUDE POSITION_ACCURACY POSITION_QC CYCLE_NUMBER DATA_MODE (R,A,D)	<i>New dimension NFIT, usually 2; one for backwards extrap one for forwards</i> LATITUDE_FIT (N_MEASUREMENT , NFIT) LONGITUDE_FIT (N_MEASUREMENT , NFIT) POSITION_FIT_ERROR (N_MEASUREMENT , NFIT) <i>(from fitting method)</i> POSITION_FIT_STATUS (N_MEASUREMENT , NFIT) <i>(Doesn't make sense to use 1,2,9 because this variable is ALWAYS estimated. But need to know if it is Interpolated or Extrapolated, therefore use 'I' and 'E')</i> <b>[I suppose we should also include POSITION_FIT_QC]</b>
Dimension N_CYCLE	JULD_DESCENT_START JULD_DESCENT_START_STATUS  JULD_DESCENT_END JULD_DESCENT_END_STATUS  JULD_ASCENT_START JULD_ASCENT_START_STATUS  JULD_ASCENT_END JULD_ASCENT_END_STATUS  JULD_START_TRANSMISSION JULD_START_TRANSMISSION_STATUS  GROUNDED	LATITUDE_DESCENT_START LONGITUDE_DESCENT_START POSITION_DESCENT_START_ERROR POSITION_DESCENT_START_STATUS (1,2,9)  LATITUDE_DESCENT_END LONGITUDE_DESCENT_END POSITION_DESCENT_END_ERROR POSITION_DESCENT_END_STATUS  LATITUDE_ASCENT_START LONGITUDE_ASCENT_START POSITION_ASCENT_START_ERROR POSITION_ASCENT_START_STATUS  LATITUDE_ASCENT_END LONGITUDE_ASCENT_END POSITION_ASCENT_END_ERROR POSITION_ASCENT_END_STATUS  LATITUDE_START_TRANSMISSION LONGITUDE_START_TRANSMISSION POSITION_START_TRANSMISSION_ERROR POSITION_START_TRANSMISSION_STATUS  DATA_MODE_TRAJECTORY (R,A,D)

	<i>[Might also need JULD_DESCENT_START_QC, etc POSITION_DESCENT_START_QC, etc]</i>
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