

2.1 Schema of L2A GIPP AC FILE

GIPP for the Atmospheric Correction on Expert Level are separated from the standard User level and are collected in a different file, named L2A_CAL_AC_GIPP.xml. Whereas L2A_GIPP.xml is a pure user configuration file and in this way should be easily available for a standard user the following configuration should be primarily performed and tested by the members of the Expert Support Laboratory, as wrong configurations might lead to heavy performance artefacts.

schema location: [L2A_CAL_AC_GIPP.xsd](#)

Elements

[ACL_Prio_1](#)

[ACL_Prio_2](#)

[ACL_Prio_3](#)

[Band_List](#)

[Calibration](#)

[Flags](#)

[fwhm](#)

[Level-2A_CAL_AC_Ground_Image_Processing_Parameter](#)

[Lib_Dir](#)

[References](#)

[Resolution](#)

[Sensor](#)

[wavelength](#)


Simple types

[ST_wavelength](#)


element **ACL_Prio_1**

<p>diagram</p>	<p>ACL_Prio_1 First priority parameter</p> <ul style="list-style-type: none"> AC_Min_Ddv_Area Min DDV area, required number of reference pixels (th_percent) AC_Swir_Refl_Lower_Th SWIR reflectance lower threshold to exclude water pixels together with NDVI limit AC_Swir_22um_Red_Refl_Ratio SWIR-red reflectance ratio (0,4-0,6) (ratio_red_swir (2.2µm), fact) AC_Red_Blue_Refl_Ratio Red-blue reflectance ratio (ratio_blu_red) AC_Cut_Off_Aot_Iter_Vegetation Cut off for AOT-iterations = max percentage of negative reflectance vegetation pixels (B4) (also reasonable for water pixels (B8)) (Thresh) AC_Cut_Off_Aot_Iter_Water Cut off for AOT-iterations = max percentage of negative reflectance water pixels (B8) (thresh) AC_Aerosol_Type_Ratio_Th Aerosol type ratio threshold (Scale path radiance for bands in the blue-to-red region) AC_Topo_Corr_Th Topographic correction threshold AC_Slope_Th Slope threshold
<p>properties</p>	<p>content complex</p>
<p>children</p>	<p>AC_Min_Ddv_Area AC_Swir_Refl_Lower_Th AC_Swir_22um_Red_Refl_Ratio AC_Red_Blue_Refl_Ratio AC_Cut_Off_Aot_Iter_Vegetation AC_Cut_Off_Aot_Iter_Water AC_Aerosol_Type_Ratio_Th AC_Topo_Corr_Th AC_Slope_Th</p>
<p>used by</p>	<p>element Level-2A CAL AC Ground Image Processing Parameter</p>
<p>annotation</p>	<p>documentation First priority parameter</p>


element ACL_Prio_1/AC_Min_Ddv_Area

diagram	 <p>Min DDV area, required number of reference pixels (th_percent)</p>									
type	restriction of xs:float									
properties	content simple default 2.0									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>100</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	100	
Kind	Value	Annotation								
minInclusive	0									
maxInclusive	100									
annotation	documentation Min DDV area, required number of reference pixels (th_percent)									


element ACL_Prio_1/AC_Swir_Refl_Lower_Th

diagram	 <p>SWIR reflectance lower threshold to exclude water pixels together with NDVI limit</p>									
type	restriction of xs:float									
properties	content simple default 0.1									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	1	
Kind	Value	Annotation								
minInclusive	0									
maxInclusive	1									
annotation	documentation SWIR reflectance lower threshold to exclude water pixels together with NDVI limit									


element ACL_Prio_1/AC_Swir_22um_Red_Refl_Ratio

diagram	 <p>SWIR-red reflectance ratio (0.4-0.6) (ratio_red_swir (2.2µm), fact)</p>									
type	restriction of xs:float									
properties	content simple default 0.5									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0.4</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>0.6</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0.4		maxInclusive	0.6	
Kind	Value	Annotation								
minInclusive	0.4									
maxInclusive	0.6									
annotation	documentation SWIR-red reflectance ratio (0.4-0.6) (ratio_red_swir (2.2µm), fact)									


element **ACL_Prio_1/AC_Red_Blue_Refl_Ratio**

diagram	 AC_Red_Blue_Refl_Ratio Red-blue reflectance ratio (ratio_blu_red)									
type	restriction of xs:float									
properties	content simple default 0.5									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>-1</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	-1		maxInclusive	1	
Kind	Value	Annotation								
minInclusive	-1									
maxInclusive	1									
annotation	documentation Red-blue reflectance ratio (ratio_blu_red)									

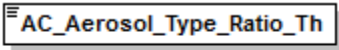
element **ACL_Prio_1/AC_Cut_Off_Aot_Iter_Vegetation**

diagram	 AC_Cut_Off_Aot_Iter_Vegetation Cut off for AOT-iterations = max percentage of negative reflectance vegetation pixels (B4) (also reasonable for water pixels (B8)) (Thresh)									
type	restriction of xs:float									
properties	content simple default 0.01									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>-1</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	-1		maxInclusive	1	
Kind	Value	Annotation								
minInclusive	-1									
maxInclusive	1									
annotation	documentation Cut off for AOT-iterations = max percentage of negative reflectance vegetation pixels (B4) (also reasonable for water pixels (B8)) (Thresh)									


element **ACL_Prio_1/AC_Cut_Off_Aot_Iter_Water**

diagram	 AC_Cut_Off_Aot_Iter_Water Cut off for AOT-iterations = max percentage of negative reflectance water pixels (B8) (thresh)									
type	restriction of xs:float									
properties	content simple default 0.01									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>-1</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	-1		maxInclusive	1	
Kind	Value	Annotation								
minInclusive	-1									
maxInclusive	1									
annotation	documentation Cut off for AOT-iterations = max percentage of negative reflectance water pixels (B8) (thresh)									

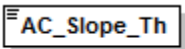
element **ACL_Prio_1/AC_Aerosol_Type_Ratio_Th**

diagram	 <p>Aerosol type ratio threshold (Scale path radiance for bands in the blue-to-red region)</p>									
type	restriction of xs:float									
properties	content simple default -0.005									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>-1</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	-1		maxInclusive	1	
Kind	Value	Annotation								
minInclusive	-1									
maxInclusive	1									
annotation	documentation Aerosol type ratio threshold (Scale path radiance for bands in the blue-to-red region)									

element **ACL_Prio_1/AC_Topo_Corr_Th**

diagram	 <p>Topographic correction threshold</p>									
type	restriction of xs:float									
properties	content simple default 0.05									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	1	
Kind	Value	Annotation								
minInclusive	0									
maxInclusive	1									
annotation	documentation Topographic correction threshold									

element **ACL_Prio_1/AC_Slope_Th**

diagram	 <p>Slope threshold</p>									
type	restriction of xs:float									
properties	content simple default 6.0									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>90</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	90	
Kind	Value	Annotation								
minInclusive	0									
maxInclusive	90									
annotation	documentation Slope threshold									



Reference: S2-PDGS-MPC-L2A-IODD-V2.4.0

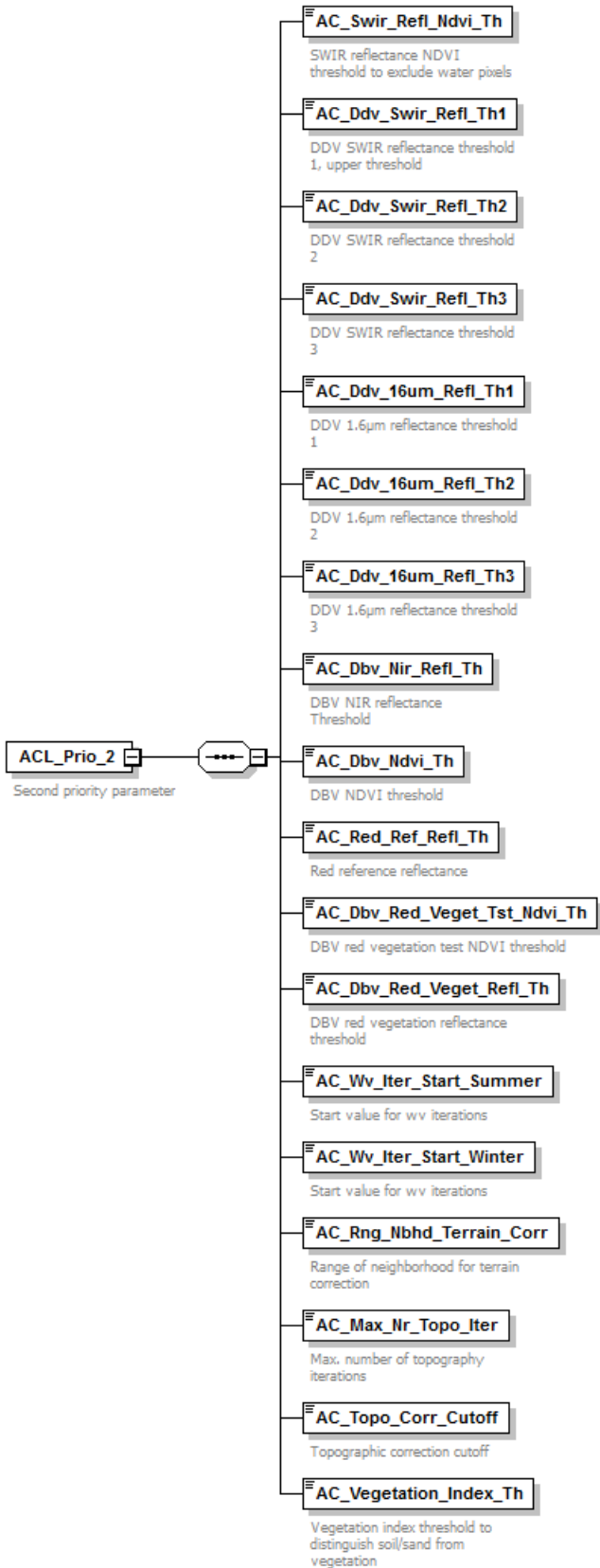
Issue: 01

Date: 03-03-2017

element **ACL_Prio_2**




diagram

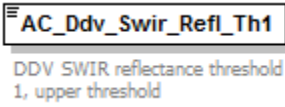


properties	content complex
children	AC Swir Refl Ndvi Th AC Ddv Swir Refl Th1 AC Ddv Swir Refl Th2 AC Ddv Swir Refl Th3 AC Ddv 16um Refl Th1 AC Ddv 16um Refl Th2 AC Ddv 16um Refl Th3 AC Ddv Nir Refl Th AC Ddv Ndvi Th AC Red Ref Refl Th AC Ddv Red Veget Tst Ndvi Th AC Ddv Red Veget Refl Th AC Wv Iter Start Summer AC Wv Iter Start Winter AC Rng Nbhd Terrain Corr AC Max Nr Topo Iter AC Topo Corr Cutoff AC Vegetation Index Th
used by	element Level-2A CAL AC Ground Image Processing Parameter
annotation	documentation Second priority parameter

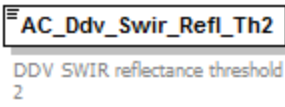
 element **ACL_Prio_2/AC_Swir_Refl_Ndvi_Th**

diagram										
type	restriction of xs:float									
properties	content simple default 0.1									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	1	
Kind	Value	Annotation								
minInclusive	0									
maxInclusive	1									
annotation	documentation SWIR reflectance NDVI threshold to exclude water pixels									

 element **ACL_Prio_2/AC_Ddv_Swir_Refl_Th1**

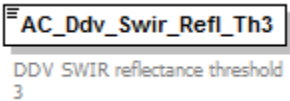
diagram										
type	restriction of xs:float									
properties	content simple default 0.05									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	1	
Kind	Value	Annotation								
minInclusive	0									
maxInclusive	1									
annotation	documentation DDV SWIR reflectance threshold 1, upper threshold									

 element **ACL_Prio_2/AC_Ddv_Swir_Refl_Th2**

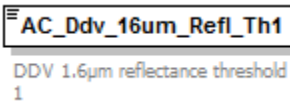
diagram	
type	restriction of xs:float
properties	content simple default 0.1

facets	Kind	Value	Annotation
	minInclusive	0	
	maxInclusive	1	
annotation	documentation	DDV SWIR reflectance threshold 2	


element ACL_Prio_2/AC_Ddv_Swir_Refl_Th3

diagram			
type	restriction of xs:float		
properties	content	simple	
	default	0.12	
facets	Kind	Value	Annotation
	minInclusive	0	
	maxInclusive	1	
annotation	documentation	DDV SWIR reflectance threshold 3	

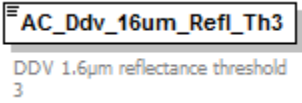
element ACL_Prio_2/AC_Ddv_16um_Refl_Th1

diagram			
type	restriction of xs:float		
properties	content	simple	
	default	0.1	
facets	Kind	Value	Annotation
	minInclusive	0	
	maxInclusive	1	
annotation	documentation	DDV 1.6µm reflectance threshold 1	

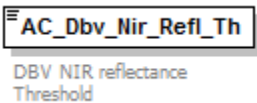
element ACL_Prio_2/AC_Ddv_16um_Refl_Th2

diagram			
type	restriction of xs:float		
properties	content	simple	
	default	0.15	
facets	Kind	Value	Annotation
	minInclusive	0	
	maxInclusive	1	
annotation	documentation	DDV 1.6µm reflectance threshold 2	


element **ACL_Prio_2/AC_Ddv_16um_Refl_Th3**

diagram										
type	restriction of xs:float									
properties	content simple default 0.18									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	1	
Kind	Value	Annotation								
minInclusive	0									
maxInclusive	1									
annotation	documentation DDV 1.6µm reflectance threshold 3									


element **ACL_Prio_2/AC_Dbv_Nir_Refl_Th**

diagram										
type	restriction of xs:float									
properties	content simple default 0.35									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	1	
Kind	Value	Annotation								
minInclusive	0									
maxInclusive	1									
annotation	documentation DBV NIR reflectance Threshold									


element **ACL_Prio_2/AC_Dbv_Ndvi_Th**

diagram										
type	restriction of xs:float									
properties	content simple default 0.66									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	1	
Kind	Value	Annotation								
minInclusive	0									
maxInclusive	1									
annotation	documentation DBV NDVI threshold									


element **ACL_Prio_2/AC_Red_Ref_Refl_Th**

diagram	 AC_Red_Ref_Refl_Th Red reference reflectance									
type	restriction of xs:float									
properties	content simple default 0.02									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	1	
Kind	Value	Annotation								
minInclusive	0									
maxInclusive	1									
annotation	documentation Red reference reflectance									


 element **ACL_Prio_2/AC_Dbv_Red_Veget_Tst_Ndvi_Th**

diagram	 AC_Dbv_Red_Veget_Tst_Ndvi_Th DBV red vegetation test NDVI threshold									
type	restriction of xs:float									
properties	content simple default 0.45									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	1	
Kind	Value	Annotation								
minInclusive	0									
maxInclusive	1									
annotation	documentation DBV red vegetation test NDVI threshold									

 element **ACL_Prio_2/AC_Dbv_Red_Veget_Refl_Th**


diagram	 AC_Dbv_Red_Veget_Refl_Th DBV red vegetation reflectance threshold									
type	restriction of xs:float									
properties	content simple default 0.15									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	1	
Kind	Value	Annotation								
minInclusive	0									
maxInclusive	1									
annotation	documentation DBV red vegetation reflectance threshold									

 element **ACL_Prio_2/AC_Wv_Iter_Start_Summer**

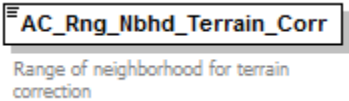
diagram	 AC_Wv_Iter_Start_Summer Start value for wv iterations
type	restriction of xs:float

properties	content simple default 1.0
facets	Kind Value Annotation minInclusive 0 maxInclusive 5.0
annotation	documentation Start value for wv iterations

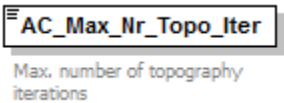
 element **ACL_Prio_2/AC_Wv_Iter_Start_Winter**

diagram	
type	restriction of xs:float
properties	content simple default 0.4
facets	Kind Value Annotation minInclusive 0 maxInclusive 5.0
annotation	documentation Start value for wv iterations

 element **ACL_Prio_2/AC_Rng_Nbhd_Terrain_Corr**


diagram	
type	restriction of xs:float
properties	content simple default 0.5
facets	Kind Value Annotation minInclusive 0 maxInclusive 1
annotation	documentation Range of neighborhood for terrain correction

 element **ACL_Prio_2/AC_Max_Nr_Topo_Iter**


diagram	
type	restriction of xs:float
properties	content simple
facets	Kind Value Annotation minInclusive 0 maxInclusive 9

annotation	documentation Max. number of topography iterations
------------	---

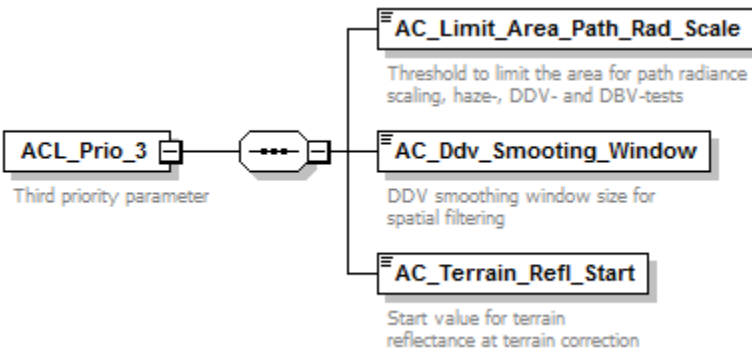
element ACL_Prio_2/AC_Topo_Corr_Cutoff

diagram										
type	restriction of xs:float									
properties	content simple									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0.0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>10.0</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0.0		maxInclusive	10.0	
Kind	Value	Annotation								
minInclusive	0.0									
maxInclusive	10.0									
annotation	documentation Topographic correction cutoff									

element ACL_Prio_2/AC_Vegetation_Index_Th

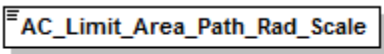
diagram										
type	restriction of xs:float									
properties	content simple default 3.0									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>1</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>10</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	1		maxInclusive	10	
Kind	Value	Annotation								
minInclusive	1									
maxInclusive	10									
annotation	documentation Vegetation index threshold to distinguish soil/sand from vegetation									

element ACL_Prio_3


diagram	
properties	content complex
children	AC Limit Area Path Rad Scale AC Ddv Smoothing Window AC Terrain Refl Start

used by	element Level-2A CAL AC Ground Image Processing Parameter
annotation	documentation Third priority parameter

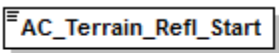
element ACL_Prio_3/AC_Limit_Area_Path_Rad_Scale

diagram	 <p>Threshold to limit the area for path radiance scaling, haze-, DDV- and DBV-tests</p>									
type	restriction of xs:float									
properties	content simple default 10									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>90</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	90	
Kind	Value	Annotation								
minInclusive	0									
maxInclusive	90									
annotation	documentation Threshold to limit the area for path radiance scaling, haze-, DDV- and DBV-tests									

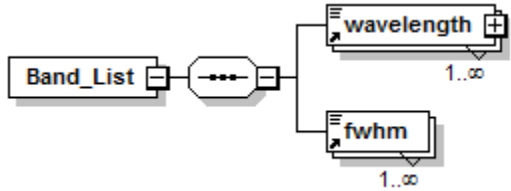
element ACL_Prio_3/AC_Ddv_Smoothing_Window

diagram	 <p>DDV smoothing window size for spatial filtering</p>									
type	restriction of xs:float									
properties	content simple default 3.0									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>10</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	10	
Kind	Value	Annotation								
minInclusive	0									
maxInclusive	10									
annotation	documentation DDV smoothing window size for spatial filtering									

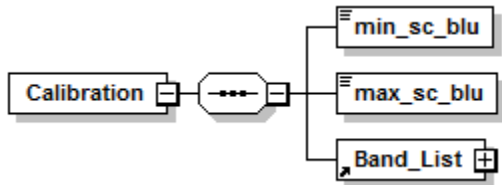
element ACL_Prio_3/AC_Terrain_Refl_Start

diagram	 <p>Start value for terrain reflectance at terrain correction</p>									
type	restriction of xs:float									
properties	content simple default 0.1									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	1	
Kind	Value	Annotation								
minInclusive	0									
maxInclusive	1									
annotation	documentation Start value for terrain reflectance at terrain correction									

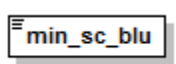
element **Band_List**

diagram	
properties	content complex
children	wavelength fwhm
used by	elements Calibration Resolution

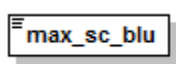
 element **Calibration**

diagram	
properties	content complex
children	min_sc_blu max_sc_blu Band List
used by	element Sensor

 element **Calibration/min_sc_blu**

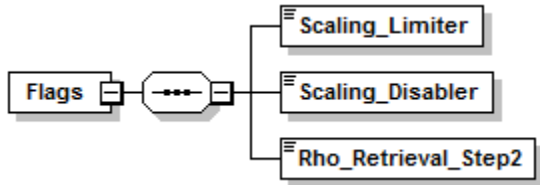
diagram										
type	restriction of xs:float									
properties	content simple									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minExclusive</td> <td>0</td> <td></td> </tr> <tr> <td>maxExclusive</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minExclusive	0		maxExclusive	1	
Kind	Value	Annotation								
minExclusive	0									
maxExclusive	1									

 element **Calibration/max_sc_blu**


diagram							
type	restriction of xs:float						
properties	content simple						
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation			
Kind	Value	Annotation					

	minExclusive 1
	maxExclusive 2

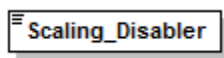
element Flags

diagram	
properties	content complex
children	Scaling_Limiter Scaling_Disabler Rho_Retrieval_Step2
used by	element Level-2A CAL AC Ground Image Processing Parameter


element Flags/Scaling_Limiter

diagram	
type	xs:boolean
properties	content simple

element Flags/Scaling_Disabler

diagram	
type	xs:boolean
properties	content simple

element Flags/Rho_Retrieval_Step2

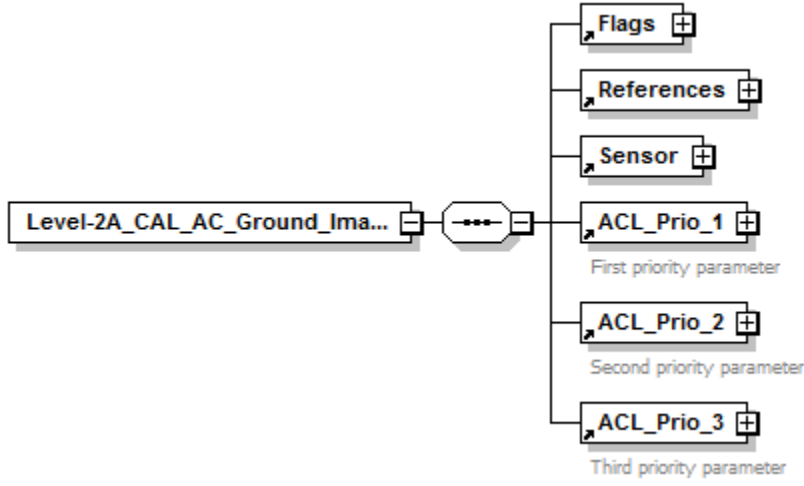
diagram	
type	xs:boolean
properties	content simple

element fwhm


diagram	
---------	---

type	restriction of xs:float									
properties	content simple									
used by	element Band List									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	1	
Kind	Value	Annotation								
minInclusive	0									
maxInclusive	1									

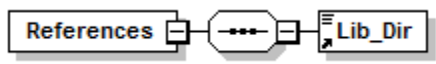
element **Level-2A_CAL_AC_Ground_Image_Processing_Parameter**

diagram	
properties	content complex
children	Flags References Sensor ACL_Prio_1 ACL_Prio_2 ACL_Prio_3


element **Lib_Dir**

diagram	
type	restriction of xs:string
properties	content simple
used by	element References

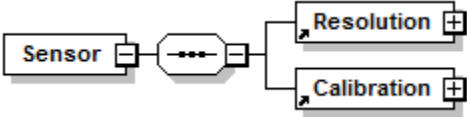
element **References**

diagram	
properties	content complex
children	Lib_Dir
used by	element Level-2A_CAL_AC_Ground_Image_Processing_Parameter

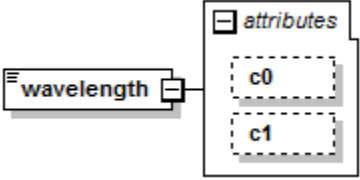
element Resolution

diagram	
properties	content complex
children	Band_List
used by	element Sensor

element Sensor

diagram	
properties	content complex
children	Resolution Calibration
used by	element Level-2A CAL AC Ground Image Processing Parameter

element wavelength

diagram																			
type	extension of ST_wavelength																		
properties	content complex																		
used by	element Band_List																		
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>10</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	10										
Kind	Value	Annotation																	
minInclusive	0																		
maxInclusive	10																		
attributes	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>c0</td> <td>derived by: xs:float</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>c1</td> <td>derived by: xs:float</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	c0	derived by: xs:float					c1	derived by: xs:float				
Name	Type	Use	Default	Fixed	Annotation														
c0	derived by: xs:float																		
c1	derived by: xs:float																		

attribute wavelength/@c0

type	restriction of xs:float						
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0	
Kind	Value	Annotation					
minInclusive	0						

	maxInclusive 1
--	----------------

attribute **wavelength/@c1**

type	restriction of xs:float		
facets	Kind	Value	Annotation
	minInclusive	0	
	maxInclusive	1	

simpleType **ST_wavelength**

type	restriction of xs:float		
properties	base	xs:float	
used by	element	wavelength	
facets	Kind	Value	Annotation
	minInclusive	0	
	maxInclusive	10	