FILE_NAME	usual default name of the output file; this entry allows the user to check for accidental renaming of files, filename without path		string	
DATA_SET_NAME	The data_set_name element provides the full name given to a data set or a data product.		string	VEX-V-VMC-2-EDR-V1.0 ,VEX-V-VMC-3-RDR-V1.0
PRODUCER_ID	The producer_id element provides a short name or acronym for the producer or producing team/group of a dataset.		string	
PRODUCER_FULL_NAME	The producer_full_name element provides the full_name of the individual mainly responsible for the production of a data set.		string	
PRODUCER_INSTITUTION_NAME	The producer_institution_name element identifies a university, research center, NASA center or other institution associated with the production of a data set.		string	
DETECTOR_ID	identifies which of the ten CCD detectors was used for this particular image.		string	VEX_VMC_NIR-1, VEX_VMC_NIR-2, VEX_VMC_VIS, VEX_VMC_UV
INSTRUMENT_HOST_ID	The instrument_host_id element provides a unique identifier for the host where an instrument is located.		string	VEX
INSTRUMENT_HOST_NAME	The instrument_host_id element provides a unique identifier for the host where an instrument is located. This host c be either a spacecraft or an earth base (e.g., and observatory or laboratory on the earth). Thus, the instrument_host_id element can contain values which are either spacecraft_id values or earth_base_id values.			
INSTRUMENT_ID	The instrument_id element provides an abbreviated name or acronym which identifies an instrument.		string	VMC
INSTRUMENT_NAME	full name of an instrument		string	VENUS MONITORING CAMERA
INSTRUMENT_TYPE	The instrument_type element identifies the type of an instrument.		string	FRAMING CAMERA
MISSION_NAME	full name of mission		string	VENUS_EXPRESS
MISSION_ID	The mission_id element provides a synonym or mnemonic for the mission_name element.		string	VEX
MISSION_PHASE_NAME	The mission_phase_name element provides the commonly-used identifier of a mission phase.		string	
PRODUCT_ID	The product_id data element represents a permanent, unique identifier assigned to a data product by its producer.		string	
PRODUCT_TYPE	The PRODUCT_TYPE data element identifies the type or category of a product within a data set.		string	
RELEASE_ID	Number of the data release		int	
REVISION_ID	Number of the revision in a release		int	
VEX:SCIENCE_CASE_ID	Tbd		int	{1, 2, …, 9, 10}
OBSERVATION_TYPE	Type of the observation this image belongs to.		string	{ tbd }
SPACECRAFT_CLOCK_START_COUNT	The spacecraft_clock_start_count element provides the value of the spacecraft clock at the beginning of a time period of interest.			

SPACECRAFT_CLOCK_STOP_COUNT	The spacecraft_clock_stop_count element provides the value of the spacecraft clock at the end of a time period of interest.			
IMAGE_TIME	Date and time of the middle of the image acquisition in UTC format "YYYY-MM-DDTHH:MM:SS.MMMZ"			
START_TIME	Date and time of the start of the image acquisition in UTC format "YYYY-MM-DDTHH:MM:SS.MMMZ"		string	
STOP_TIME	Date and time of the end of the image acquisition in UTC format "YYYY-MM-DDTHH:MM:SS.MMMZ"		string	
ASCENDING_NODE_LONGITUDE	value of the angle of the xy-plane of the J2000 coordinate system to the ascending node computed from the spacecraft's position- and velocity vector at periapsis (not to be used during test and cruise)			
ORBIT_NUMBER	number of the orbital revolution of the s/c around the target body (not to be used during test and cruise)		int	
ORBITAL_ECCENTRICITY	value of orbit eccentricity computed from the spacecraft's position- and velocity vector at periapsis (not to be used during test and cruise)		real	
ORBITAL_INCLINATION	value of the angle of inclination with respect to the xy-plane computed from the spacecraft's position- and velocity vector at periapsis		real	
ORBITAL_SEMIMAJOR_AXIS	value of orbit semi-major axis computed from spacecraft's position- and velocity vector at periapsis (not to be used during test and cruise)			
PERIAPSIS_ALTITUDE	The PERIAPSIS_ALTITUDE element provides the distance between the spacecraft and the target body at periapsis. Periapsis is the closest approach point of the spacecraft to the target body in its orbit around the target body.	km	real	
PERIAPSIS_ARGUMENT_ANGLE	angle in the xy-plane of the J2000 coordinate system from the ascending node to periapsis (not to be used during test and cruise)			
PERIAPSIS_TIME	The PERIAPSIS_TIME element is the time, in UTC format "YYYY-MM-DDThh:mm:ss[.fff]Z", when the spacecraft passes through periapsis. Periapsis is the closest approach point of the spacecraft to the target body in its orbit around the target body. (not to be	time	string	
RIGHT_ASCENSION	The right_ascension element provides the right ascension value. Right_ascension is defined as the arc of the celestial equator between the vernal equinox and the point where the hour circle through the given body intersects the Earth's mean equator (reckoned eastward).	degree	real	
DECLINATION	The declination element provides the value of an angle, corresponding to latitude, used to fix position on the celestial sphere. Declination is measured positive north and negative south of the celestial equator, and is defined relative to a specified reference period or epoch.	degree	real	
SPACECRAFT_SOLAR_DISTANCE	the spacecraft's distance to the Sun measured from its position vector at periapsis (not to be used during test and cruise)			
TARGET_NAME	name of the target body		string	VENUS, SKY
TARGET_TYPE	The target_type element identifies the type of a named target.		string	PLANET, STAR, SUN, COMET
DETECTOR_TEMPERATURE	Detector temperature	Celsius	real	

INST_CMPRS_NAME	flag indicating whether spacecraft on-board compression has been bypassed, in which case, the received data were uncompressed		string	NONE, tbd
INST_CMPRS_QUALITY	The compression index. A higher value means more compression		int	
INST_CMPRS_RATIO	mean compression rate for the entire image data represented in the file, this number is =1 for data collected in the bypass mode.		real	
EXPOSURE_DURATION	Integration time of the instruments CCD.	ms	real	
MACROPIXEL_SIZE	The MACROPIXEL_SIZE element provides the sampling array size (e.g., 2x2, 4x4, 8x8), in pixels, that is used to reduce the amount of data an image contains by summing the values of the pixels, along the lines of the image.		int	
LINE_FIRST_PIXEL	The line_first_pixel element provides the line index for the first pixel that was physically recorded at the beginning of the image array.		int	
SAMPLE_FIRST_PIXEL	The sample_first_pixel element provides the sample index for the first pixel that was physically recorded at the beginning of the image array.		int	
RADIANCE_OFFSET	The radiance_offset element provides the constant value by which a stored radiance is added. Note: Expressed as an equation: true_radiance_value = radiance_offset + radiance_scaling_factor * stored_radiance_value.	W/m3/steradian	real	