Name	Type	Dim	Description	Units	Ancillary
obs_id	string	obs	unique earth view observation identifier.		
obs_time_tai93	double	obs	earth view observation midtime for each FOV	seconds since 1993-01-01 00:00	bnds
obs_time_utc	uint16	obs, utc_tuple	UTC earth view observation time as an array of integers: year, month, day, hour, minute, second, millisec, microsec		
lat	float	obs	latitude of FOV center	degrees_north	bnds
lon	float	obs	longitude of FOV center	degrees_east	bnds
land_frac	float	obs	land fraction over the FOV	unitless	
surf_alt	float	obs	mean surface altitude wrt earth model over the FOV	m	
surf_alt_sdev	float	obs	standard deviation of surface altitude within the FOV	m	
sun_glint_lat	float	obs	sun glint spot latitude at scan_mid_time. Fill for night observations.	degrees_north	
sun_glint_lon	float	obs	sun glint spot longitude at scan_mid_time. Fill for night observations.	degrees_east	
sol_zen	float	obs	solar zenith angle at the center of the FOV	degree	
sol_azi	float	obs	solar azimuth angle at the center of the FOV (clockwise from North)	degree	
sun_glint_dist	float	obs	Distance from the center of the calculated sun glint spot to the center of the spot. Note that there may not be a glint for cloudy or land cases and in ocean cases the glint can move based on wind conditions. Fill for night observations.	m	
view_ang	float	obs	off nadir pointing angle	degree	
sat_zen	float	obs	satellite zenith angle at the center of the FOV	degree	
sat_azi	float	obs	satellite azimuth angle at the center of the FOV (clockwise from North)	degree	
sat_range	float	obs	line of sight distance between satellite and FOV center	m	
asc_flag	ubyte	obs	ascending orbit flag: 1 if ascending, 0 descending		
subsat_lat	float	obs	sub-satellite latitude at scan_mid_time	degrees_north	
subsat_lon	float	obs	sub-satellite longitude at scan_mid_time	degrees_east	
scan_mid_time	double	obs	TAI93 at middle of earth scene scans	seconds since 1993-01-01 00:00	
sat_alt	float	obs	satellite altitude with respect to earth model at scan_mid_time	m	
local_solar_time	float	obs	local apparent solar time in hours from midnight	hours	
utc_tuple_lbl	string	utc_tuple	names of the elements of UTC when it is expressed as an array of integers year,month,day,hour,minute,second,millisecond,microsecond		

rad	float32	obs, wnum	spectral radiance	mW/(m2 sr cm-1)	err, qc
synth_frac	float32	wnum	File mean fraction of signal that is attributed to synthesized AIRS Level-1C values	unitless	
nedn	float32	fov, wnum	noise equivalent differential radiance	mW/(m2 sr cm-1)	
atrack	ubyte	obs	Along-track index of Field Of Regard	unitless	
xtrack	ubyte	obs	Cross-track index of Field Of Regard	unitless	bnds
fov_num	ubyte	obs	Field Of View number in FOR	unitless	
airs_atrack	ubyte	obs	AIRS-like along-track index of Field Of View	unitless	
airs_xtrack	ubyte	obs	AIRS-like cross-track index of Field Of View	unitless	
wnum	float64	wnum	wavenumber	cm-1	bnds