ESSP IV Standardized Spectra Headers

This table lists the header keywords found in the ESSP IV standardized spectral files ("Keyword") and their associated description ("Comment").

Most headers are drawn from the original FITS files, as specified by the instrument's HDU index (e.g. "HARPS HDU") and keyword (e.g. "HARPS Key"). An HDU index of -1 means the static value (given in the corresponding key column) is used. The keywords "data-set", "filename", and "date" are generated when the standardized file is written.

Keyword	Comment	HARPS HDU	HARPS Key	HARPS-N HDU	HARPS-N Key	EXPRES HDU	EXPRES Key	NEID HDU	NEID Key
instrume	Instrument name	-1	HARPS	-1	HARPS-N	-1	EXPRES	-1	NEID
program	ESSP round	-1	ESSP4	-1	ESSP4	-1	ESSP4	-1	ESSP4
data-set	Name of ESSP4 data set	0	file_name	0	file_name	0	file_name	0	file_name
filename	Name of the FITS file	0	file_name	0	file_name	0	file_name	0	file_name
date	Last modification date/time of this standardized file	0	file_name	0	file_name	0	file_name	0	file_name
mjd_utc	Photon-weighted modified Julian date	0	HIERARCH ESO QC BJD	0	HIERARCH TNG QC BJD	1	barymjd	12	ccfjdsum
jd_utc	Photon-weighted Julian date	0	HIERARCH ESO QC BJD	0	HIERARCH TNG QC BJD	1	barymjd	12	ccfjdsum
exptime	Exposure time [s]	0	exptime	0	exptime	0	aexptime	0	exptime
observat	Observatory name	0	origin	0	observat	-1	Lowell	0	observat
telescop	Telescope name	0	telescop	0	telescop	0	telescp	0	telescop
obslon	Observatory longitude [deg]	-1	-70.73166667	0	geolon	0	sitelong	0	obslon
obslat	Observatory latitude [deg]	-1	-29.26083333	0	geolat	0	sitelat	0	obslat
obsalt	Observatory altitude [m]	-1	2400	0	geoelev	0	siteelev	0	obsalt
airmass	Airmass (most likely) at center field at beginning of exposure	0	HIERARCH ESO TEL AIRM START	0	airmass	0	ambeg	0	airmass
berv	Barycentric velocity in km/s	0	HIERARCH ESO QC BERV	0	HIERARCH TNG QC BERV	2	HIERARCH wtd_single_channel_bc	0	SSBRV{nord}
eclord0	Initial Echelle order for standardized files	-1	161	-1	161	-1	161	-1	161
origdate	When the original file was created	0	date	0	date	1	date-ext	0	l2create