NAME

bcvcorr -- Set barycentric velocity correction in a spectrum image header

USAGE

bcvcorr image

PARAMETERS

Spectra **tra**

spec-
List of input spectra

num 0

spec-
Spectrum number(s) if multispec file

specdir
Directory for input spectra # Sky direction
RA

keyra
Right ascension header keyword
dec
DEC

key-
Declination header keyword
qnx
EPOCH

keye-
Coordinate equinox header keyword
HJD

keyjd
Header keyword for Julian date at middle of observation
date
DATE-OBS

key-
Header keyword for date of observation (dd/mm/yyyy)
UTOPEN

keystart
Header keyword for UT at start of observation
UTMID

keymid
Header keyword for UT in middle of observation
UT

keyend
Header keyword for UT at end of observation
exp EXPOSURE

key-
Header keyword for duration of observation in seconds

file

obsname
Observa-

tory
name.
If
file
to
read
from
image
header

obs
SITE-
NAME

key-
Obser-
va-
tory
name
header
keyword

lat
SITE-
LAT

key-
Obser-
va-
tory
lat-
i-
tude
header
keyword

long
SITE-
LONG

key-
Obser-
va-
tory
lon-
gi-
tude
header
keyword

SITEALT

keyalt
Obser-
va-
tory
alti-
tude
header
keyword
long
0.0

obs-
Obser-
va-
tory
lon-
gi-
tude,
used
if
obsname
is
not
"file"
lat
0.0

obs-
Obser-
va-
tory
lat-
i-
tude,
used
if
obsname
is
not
"file"
0.0

obsalt
Observatory altitude in meters, used if obsname is not "file"

no

savebcv
Save barycentric velocity correction as BCV and Heliocentric Julian Date as HJD in IRAF data file header (yes or no)

bose
yes

ver-
Displays heliocentric and

barycentric corrections

no

debug

Displays intermediate results

DESCRIPTION

bcvcorr can be used to set the barycentric velocity correction of spectra which do not use the header keywords expected by the correction computation subroutine in XCSAO, EMSAO, or SUM-SPEC.

EXAMPLE

To set a spectrum's barycentric velocity correction:

```
rv> bcvcorr spectrum
```

SEE ALSO

Online help is available on the World Wide Web at http://tdc-www.harvard.edu/iraf/rvsao/bcvcorr