demag_orient.txt

	sample_orientation_flag	sample_name	mag_azimuth	field_dip	bedding_dip_direction	bedding_dip	shadow_angle	lat	long	date	hhmm	GPS_bas
1	g	sr01a	295	87			016	42.60264	245.602	09/14/99	9:54	
2	g	sr01c	285	82			000	42.60264	245.602	09/14/99	10:22	
3	g	sr01d	325	76				42.60264	245.602	09/14/99	10:25	
4	g	sr01e	009	75			084	42.60264	245.602	09/14/99	10:29	
5	g	sr01f	007	80			081	42.60264	245.602	09/14/99	10:31	
6	g	sr01g	305	75			019	42.60264	245.602	09/14/99	10:35	
7	g	sr01i	350	56			061	42.60264	245.602	09/14/99	10:44	

set orientation convention

orientation convention

- (•) Pomeroy: Lab arrow azimuth = mag_azimuth; Lab arrow dip=-field_dip (field_dip is hade)
- ( ) Lab arrow azimuth = mag_azimuth-90 (mag_azimuth is strike); Lab arrow dip = -field_dip
- ( ) Lab arrow azimuth = mag_azimuth; Lab arrow dip = 90-field_dip (field_dip is inclination of lab arrow)
- ( ) Lab arrow azimuth and dip are same as mag_azimuth, field_dip
- ( ) ASC: Lab arrow azimuth and dip are mag_azimuth, field_dip-90 (field arrow is inclination of specimen Z direction)
- ( ) Lab arrow azimuth = mag_azimuth-90 (mag_azimuth is strike); Lab arrow dip = 90-field_dip

declination correction

- (•) Use the IGRF DEC value at the lat/long and date supplied
- ( ) Use this DEC: [ ]
- ( ) DEC=0, mag_az is already corrected in file

orientation priority

- (•) 1) differential GPS 2) sun compass 3) magnetic compass
- ( ) 1) differential GPS 2) magnetic compass 3) sun compass

add local time

Hours to ADD local time for GMT, default is 0 [-6]

OK