

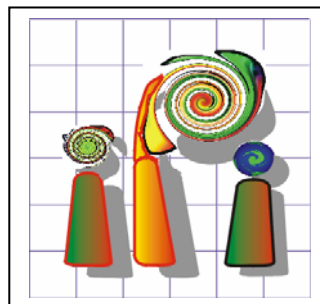
general information for handling space images and digital elevation models

Supplement for Program System BLUH

may be handled also separately, supported by some
programs of system BLUH

**BundLe block adjustment
University of Hannover**

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Dr.-Ing. Karsten Jacobsen
Institute of Photogrammetry and GeoInformation
Leibniz University Hannover



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Following programs, partially belonging to program system BLUH are useful for the handling of space images:

BLPRE	preparation of image coordinates (for special cases)
ARC2SID	data transfer from ARC-View to SIDIP
BLTRA	transformation of ground coordinates and orientation data
MANI	transformation of pixel into ground coordinates using *.tfw-file
RADCOR	correction of striping effects in images
UNDUL	separation of Geoid information from OSU91 or EGM96
(UNDULE	“Denker” ellipsoid for $\lambda=-34.9875 - 32.9875$, $\phi=25.00833 - 76.99167$)
SWISDHM	conversion of special DEM-structure of Swiss Federal Office of Topography and also SPOT-5 HRS-DSM into general ASCII-form
USGSDEM	conversion of special format of USGS DEM into ASCII-format
DIGDEM	conversion of DEM from image raster form (*.raw or *.hgt) into ASCII
DEMINT	computation of Z-values for points with given X and Y by interpolation of a raster-DEM
RASSEL	selection of points from ASCII raster DEM based on Z (SZ) of corresponding ASCII raster grid e.g. SRTM HEM-file
DPLX	(SIDIP) measurement of image points in digital images
DPCOR	(SIDIP) automatic image matching
IMASK	overlay of image points to image
IMA2RAW	change of *.ima-format into *.raw-format including histogram change
RASCOR	automatic filtering of digital surface model to DEM (raster arrangement)
DTMCOR	automatic filtering of digital surface model to DEM (random distribution)
SATRAC	computation of satellite trace
BLASPO	bundle adjustment of satellite line scanner images (original images)
COMSPO	computation of correction grids for satellite-images, ground coordinates of high number of points and transformation to national net coordinates
SPORTHO	creation of orthoimages based on adjustment by BLASPO
IMGEO	geometric change of digital images based on systematic image errors, possibility of change of satellite line scanner images to near to perspective images + window function
CORIKON	orientation of level 1B-type space images with geometric reconstruction
RAPORI	orientation of level 1B-type space images based on RPC
RAPORIO	orientation of level 1A-type space images based on RPC
IKONDEM	computation of ground coordinates by means of corresponding image points in space images (use after CORIKON)
RPCDEM	computation of DEM after orientation by RAPORI or RAPORIO
IKORTHO	generation of orthoimages based on space images
TRAN3D	extended 3D-affinity transformation or DLT of space images
EDGE	edge analysis of digital images
BLAN	analysis of results (not required for solution)
PLOGG	plot of the effect of systematic image errors
HPSHOW	display graphics
ZANAL	analysis of a DEM
DEMANAL	analysis and comparison of DEMs
DEMSHIFT	determination of shift in X, Y, Z between 2 DEMs by adjustment
ZPROF	generation of plot profiles from DEMs