



# LAS NEWS

## Land Analysis System

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### Sharing in LAS

by Marilyn Mack (GSFC) - Editor

Our list of those receiving "LAS NEWS" currently contains more than 625 names! There are now 83 user sites as well! The system is experiencing tremendous changes and is maturing in its new version 5 portable form. The keynote of this effort has been sharing. The conversion process would not have been possible without the cooperative sharing between the EROS data center and Goddard Space Flight Center. This same spirit of sharing between the same two groups helped in the project to support the UNEP GRID. Personnel from another user site, the Laboratory for Terrestrial Physics at Goddard, have also shared with us in many ways. In addition to their cooperative efforts on the Configuration Control Board, they have given us several routines for our CONTRIB library. Our LAS Support Office has shared their expertise with you whenever you have called. If you have not yet done so, remember that you can contact them at (301) 286-9412. Our software is currently in a shareable image form and this issue describes how to alter that shareable form if desired.

This newsletter is a product of sharing as well. Those generous persons who have volunteered their time and talent to submit articles are sharing their valuable information with the entire LAS community. To serve the whole community better, that same spirit of sharing will have to be shown by more of our other active users. By

now you are probably more familiar with the system and can tell us about your experiences. Send your articles, short notes, meeting notices, and general comments to: Ms. Marilyn Mack, LAS NEWS, Code 636, Goddard Space Flight Center, Greenbelt, MD 20771. In addition, if you have made prior arrangements with me by calling (301) 286-4638 and you have access to a FAX machine, you may send any printed material for the LAS NEWS using (301)286-3221. Share with other LAS community members as they have shared with you!

### Status of LAS 5.0

by Marilyn Mack (GSFC)

As our last issue reported, members of the LAS staff both at the Goddard Space Flight Center and at the EROS Data Center have been busy converting the application software in LAS to a more portable form (primarily through a recoding in the C language). By the end of 1988 all of the LAS libraries had been converted to C. The codes were converted according to the priorities given by users in an earlier survey taken more than a year ago. To date seventy-nine application functions from LAS 4.1 have been delivered for testing in the new portable form. The seventy-seven converted to C include:

ABS	ADD2STAT	ADDPIC	ANDPIC
BANDRATIO	BAYES	CANAL	CCTTIPSP
CLASSMAP	COMPARE	CONCAT	CONTABLE
CONVERT	COPY	COVAR	DDREDT
DESTRIPE	DIVPIC	DSPGLOB	DSPGRID
DSPLBL	FACTOR	FILM	FILTER
FLIP	GEOM	GRIDGEN	HIS2RGB
IENTER	INSERT	ISOCCLASS	ITRANSFER
KARLOV	KMEANS	LASDEL	LIST
LISTCAT	LOWCAL	MAGNIFY	MAKEIMG
MASK	MASKSTAT	MAX	MIN
MINDIST	MINMAX	MULTIPLY	MULTPIC
NORMD	ORPIC	OVERLAY	PERSPEC
PLENTER	PROCHECK	RECLASS	REGISTER
RENAME	RENUMBER	RGB2HIS	ROTATE
ROTRNSCL	SEGMREPR	SPECCOMB	SPECSTRT
SPREAD	STATS	SYSSAMP	TESTGEN
TIEFIT	TIEMERGE	TOPO	TRANCOORD
UNKNOWN	WHATISIT	XORPIC	ZIP
ZOOM			

Note that among these, several will appear under new names or will be incorporated into existing routines. ADDPIC, ANDPIC, DIVPIC, MAX, MIN, MULTPIC, ORPIC, and XORPIC have been combined in a new function called MATH. HIS2RGB and RGB2HIS are combined in

