ATTACHMENT 3　　　　　　　　**ELECTRONIC EXPOSURE DATA FILE FORMAT**

FILM ROLL NUMBER
For each camera, NGS will assign a unique camera designation character "xx" which shall be used in the film roll number. The film roll number consists of a two digit year; a two digit camera designation number; a one or two digit film designation character (P=PAN, CN=COLOR NEG., CR=COLOR IR, R=B/W IR); and a two digit sequence number. For each successive roll of film per camera the sequence number shall be incremented by one. See sample at #1 below.

ELECTRONIC EXPOSURE DATA (EED) SPECIFICATIONS
Each roll of film shall have an accompanying EED file. The file shall be in ASCII form on an IBM formatted 3.5" floppy disk capturing the attributes of each frame in the order they appear on the roll of film. The file shall be named using the film roll number and the extension "EED". Each frame of photography shall consist of a record in the file. Each record shall contain the following fields of data separated by commas. No commas may be used in the contents of the field. Sample:

Field	Title	Format	Explanation	Sample	Field Length
1	Film roll number	yyxxf01	year, camera desig., film type, number	99xxP01	up to 8 characters
2	Frame number	nnnn	number	0102	4 or 5 digits
3	Flight line ID	lidsc-nnn	lid scale - sequential number at that scale*	BWI30-001	up to 12 digits
4	Time since last exposure	sss.s	seconds**	23.2	up to 5 digits
5	Date of exposure	dd:MMM:yy	day:MONTH:year (Month in CAPS)	07:JUN:99	9 characters
6	Time of exposure in UTC	hh:mm:ss	hour:minute:second	18:11:19	8 characters
7	Latitude of frame center	dd:mm.mmmmN/S	degrees:minutes to 4 places***	26:52.8201N	11 characters
8	Longitude of frame center	ddd:mm.mmmmE/W	degrees:minutes to 4 places***	097:23.1234W	12 characters
9	Az of photo (or aircraft)	ddd	degrees, true	010	up to 3 digits
10	Altitude of photograph	fffff	feet above mean sea level	15000	up to 6 digits
11	Acquisition ID	rrryynn	FAA Region, year, waypoint seq. no.****	AEA9901	up to 8 characters

Sample record: 99xxP01,0102,BWI30-001,23.2,07:JUN:99,18:11:19,26:52.8201N,097:23.1234W,010,15000,AEA9901
* Flight Line ID Sample: LID = the three letter identifier for the airport, Scale = 1:30,000, number =001, LID scale - number = BWI30-001
** For the first exposure in each flight line, enter "0.0" in this field.
*** The latitude and longitude are shown to 4 places in order to compute overlap. The absolute accuracy should be approximately +/- 20 meters, or better, with the relative accuracy considerably better (as is typical with pseudo-range GPS).
**** Same as waypoint file name, without suffix. For the test strip, use "TS", two digit year, and then the test number, eg. "TS9901"