NAME

dtogl - turn data collection on or off

SYNOPSIS

```
dtogl(chptr,anlptr,stptr,ctlptr)
char *chptr;
char *anlptr;
char *stptr;
register struct DD_CNTL *ctlptr;
```

DESCRIPTION

This routine will turn the data collection for a specified office and channel on or off. This is done by placing the proper value in the flag byte associated with the appropriate function in the data collection control record of the office of interest. The flag value will be set to a channel name index if collection is turned on or to a -1 if collection is turned off. when data collection for a particular channel is to be turned on or off, the pointers for that channel will be zeroed. Since one channel may be collecting data for several types of analysis, checks of all flag bytes are made before zeroing any pointers. Additionally, since collection for a particular analysis/channel may be turned on several times in succession (and subsequently turned off an equal number of times), a counter is kept with each flag byte. This counter is incremented each time collection is turned on for an analysis/channel, and decremented when collection is turned off; data collection for an analysis/chan- nel will not actually be turned off until this counter is decremented to zero.

The routine returns one of several values:

0 - everything okay
1 - invalid channel or function
2 - stptr (see below) points to a string which is neither "START" nor "STOP"
3 - an attempt was made to turn off an analysis/channel which was already off
4 - an attempt was made turn collection on or off for an illegal analysis/channel
5 - an analysis/channel count was illegal (less than 0 or greater than maximum)

Arguments:

chptr	is a pointer to a string which is the name of the channel of interest.
anlptr	is a pointer to a string which is the name of the analysis function for which data is being (or will be) collected
stptr	is a pointer to a string which must be either "START" (for collection turn-on) or "STOP" (for collection turn-off)
ctlptr	points to the structure to be updated

Note that this routine will be manipulating data in the structure which is pointed to by the calling parameter ctlptr.

LIBRARY

/lib/lib1.a