

Iridium 9505A phone and GS operations

03AUG07

SMS text messaging positions. Our 9505A phone supports text messaging to and from the ground station computer. The ground station can be set-up to automatically relay the latest position when it is processed in real-time. Or, it can be polled for the latest dive position data from individual spray's at any time.

To automatically relay latest dive position to the iridium handset, modify the `~/bin/sbdprep.pl` script to include the spray you want under the `pos_xmit.pl` section. The exact line is:

```
`.bin/pos_xmit.pl XXXX`;
```

Do not forget back ticks or semi-colon. XXXX= four digit spray SN (must use 4 digits)

To poll the ground station for a single latest dive position using the 9505A, do the following:

1. Power on 9505A and get a good signal (pin=1111)
2. Go to message editor (hit the letter button, then scroll down)
3. Enter the following in the message body field

GS@BDJMAC1.UCSD.EDU !!!XX

where XX = spray SN. BE SURE to include the space after the send to address. Iridium parses the send to address, then the message body and assembles them in an email for you.

4. Hit the ok button
5. Hit the select button (Send message)
6. enter *2, then OK to send the message (*2 = phone number to send to)
7. Hit ok button again to really send

Within a few minutes, the ground station should send you the latest dive position for sn XX.