



SpotCast Extreme

User guide
2021

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2. Your First SpotCast Extreme Weather Forecast

SpotCast Extreme Forecast Variables

SpotCast Extreme expands on the standard set of forecast data but also adjusts your forecasts for the altitude at which you are exploring or working.

Forecast Variable	SpotCast <i>Extreme</i>
Air Temperature	Yes
Wind Chill	Yes
Heat Index	Yes
Precipitation Amount	Yes
Precipitation Type	Yes
Snow Forecast Range	Yes
Cloud Cover	Yes
Surface Pressure	Yes
Wind Speed and Direction	Yes
Sunrise/Sunset Time	Yes
Moon Phase	Yes
Altitude adjusted forecasts	Yes
Time and Date Adjusted to Local Location	Yes

The first time you ever request a SpotCast *Extreme* from any of your devices you will receive the forecasts and, in a separate message, the type of weather data included in the forecast. This second message also describes the units of measurement used for each weather variable. This second message is similar to the following:

Date: Month/Day/Your 24hr Local time

Air Temperature (T): F or C air temp depending units on preferences set at activation.

Wind Chill (wc) if temperature is less than 40 F (4.5C) you will also receive a Wind Chill reading. See Wind Chill discussion below.

Heat Index (hx) if temperature is above 80 F (26.5C) you will also receive a Heat Index reading. See Heat Index discussion below.

Precipitation (p) inches or mm precip/6 hrs depending on units preferences selected at activation.

Precipitation Type (pt) if p is greater than zero, you will also receive precipitation type, eg. Rain, snow, etc.

Snow Forecast Range (sl/sh) if precipitation type is snow, you will receive a min(sl)/max (sh) snow forecast

Cloud Cover (c) cloud cover

Surface Pressure (sp): mb surface pressure

Wind Speed (ws) knots wind speed

Wind Direction (wd) deg True wind dirAt the start of each 24 hour period, you will also be provided with local time of sunrise and sunset and the current moon phase.

Sunrise (sr): Your local time of sunrise

Sunset (ss): Your local time of sunset

Moon Phase (mp): Your local moon phase. MP is presented in percentage terms. + percentage values indicate a waxing moon. – percentage terms indicate a waning moon.

Note: If F air temperature exceeds 99, the T is replaced with the third digit of the temperature. If T falls below 0 F or 0 C, the T is replaced with the minus (-) sign. If knots wind speed exceeds 99, numeric values are replaced with two plus symbols (++) .

If you have added the WaveCast wave and swell forecasting to your basic SpotCast *Extreme* service you will also receive a 'wave' codebook. A wave codebook sample is presented below:

Date: Month/Day/Your 24hr Local time

Wave Direction (wd): wave direction in degrees, true direction

Wave Height (wh): wave height in feet or meters

Wave Period (wp): wave period in seconds

Swell Direction (sd): swell direction in degrees, true direction

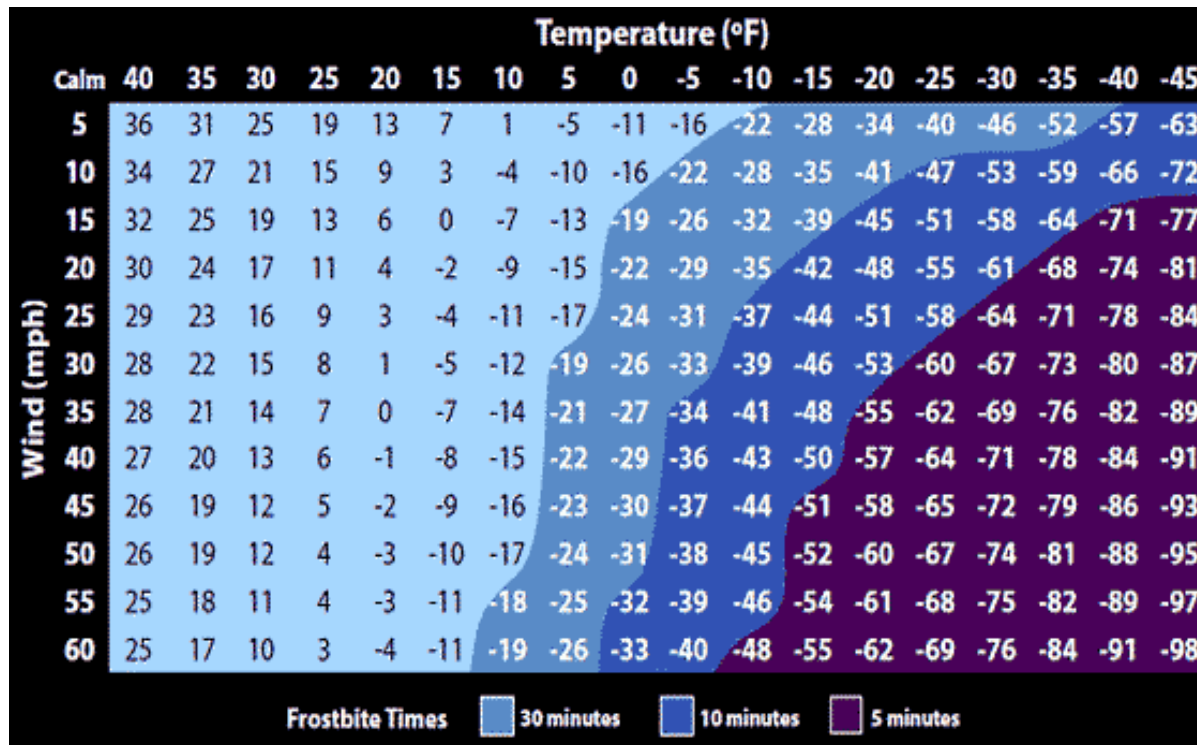
Swell Height (sh): swell height in feet or meters

Swell Period (sp): swell period in seconds

3. Wind Chill and Heat Index Charts

Wind Chill

Wind chill is the air temperature on exposed skin. It is derived from the consideration of both air temperature and wind speed. The National Weather Service Wind Chill chart is presented below. Color-coding within the chart relates the Wind Chill temperature to the number of minutes before frostbite commences at that temperature:



Heat Index

The Heat Index expresses the level of discomfort, and at certain temperatures the danger, created by the relative humidity at given temperatures. Color coding in the Heat Index chart presented below express the relative danger associated with increasing Heat Index values. SpotCast Extreme returns the Heat Index value appropriate for the relative humidity at each time and location in your forecast:

Temperature (°F)

Relative Humidity (%)

	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110
40	80	81	83	85	88	91	94	97	101	105	109	114	119	124	130	136
45	80	82	84	87	89	93	96	100	104	109	114	119	124	130	137	
50	81	83	85	88	91	95	99	103	108	113	118	124	131	137		
55	81	84	86	89	93	97	101	106	112	117	124	130	137			
60	82	84	88	91	95	100	105	110	116	123	129	137				
65	82	85	89	93	98	103	108	114	121	128	136					
70	83	86	90	95	100	105	112	119	126	134						
75	84	88	92	97	103	109	116	124	132							
80	84	89	94	100	106	113	121	129								
85	85	90	96	102	110	117	126	135								
90	86	91	98	105	113	122	131									
95	86	93	100	108	117	127										
100	87	95	103	112	121	132										

Likelihood of Heat Disorders with Prolonged Exposure or Strenuous Activity

 Caution
 Extreme Caution
 Danger
 Extreme Danger


4. inReach

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4.1. Creating Presets for SpotCast Extreme on your inReach

Preset messaging is used to process SpotCast Extreme forecasts for your present location. To request weather for other locations as well, [CLICK HERE](#) for additional instructions. To link your device to the SpotCast Extreme weather service you need to create a Preset message on the inReach web site. You need do this only once. Follow these steps:

1. Open your web browser and navigate to <http://explore.delorme.com>. Sign in using the inReach account you have previously created or create a new account.
2. Locate your inReach IMEI number. This can be found on the bottom of the box your device came in. You can also find your IMEI on your device by going to Settings -> About This Device. Your IMEI is also listed on the Delorme site by clicking Settings and then clicking on Devices.



Home

Map

Inbox

Contacts

Messages

Social

Settings

My Info | General | SOS Setup | Test | ▼ Devices | Manage BoatU.S.

Selected devices, then click an action

Activate

Deactivate

Change Plan

For a single device

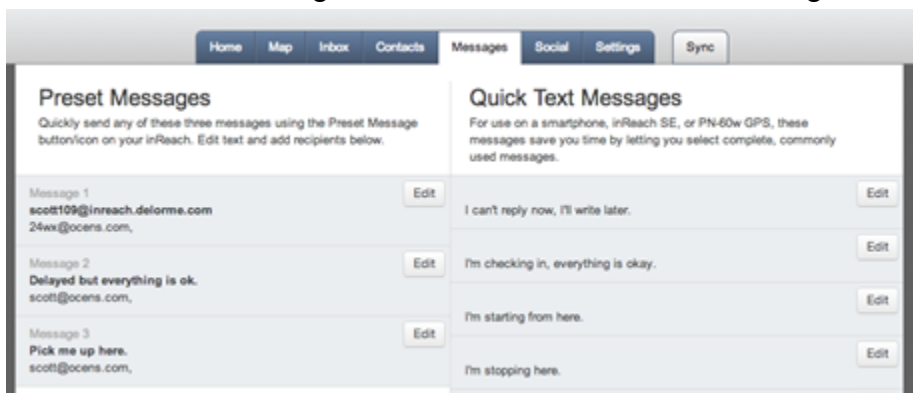
Assign

Update

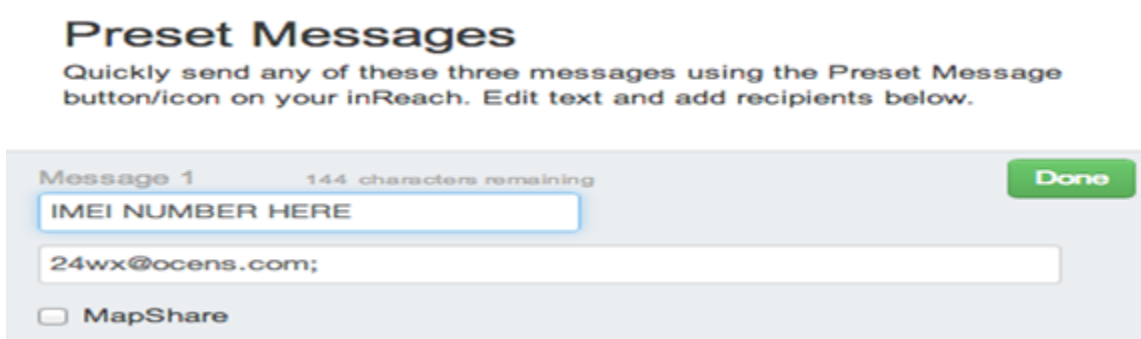
Name Device

<input type="checkbox"/>	IMEI	Device Name	Activated	Assigned	Added	TotalUsage	Synced	LastSync
<input type="checkbox"/>	300434060725320	Seasonal Expedition Plan		scott@ocens.com	Dec 23, 2013	36 of 0 bytes	-	Dec 24, 2013 9:23 AM

3. Click on the Message tab and click Edit next to Message



4. Enter your IMEI number into the upper box in Message 1 and enter 24ext@ocens.com, 48ext@ocens.com, 72ext@ocens.com, (depending on the services you purchased on the OCENS.com web site or with a voucher from one of our dealers) into the lower box. When you are finished entering your information, click Done.



5. Click on the Sync tab and connect your device to the computer using the supplied USB cable. After connecting, click the inReach SE button. For more information on Sync please go to www.inreachdelorme.com and click on support.

Home Map Inbox Contacts Messages Social Settings Sync

Select your device to sync

Syncing after any change to Contacts, Messages, or other settings will ensure your handheld device is displaying and conveying the proper information. **Sync also installs updates to the inReach SE.**



inReach SE



Mobile Device



PN-60W GPS

First time syncing?

Download and install [inReach Sync](#)

6.

4.2. Requesting SpotCasts from your inReach SE

Select Preset on your inReach SE



Select SEND next to the 24wx@ocens.com, 48wx@ocens.com or 72wx@ocens.com message. This message and its imbedded GPS position will be received by OCENS and we will automatically respond with your weather data.



Your weather data should be returned to you in a minute or so.

4.3. Requesting weather for locations away from your present location

When registering for SpotCast Extreme you were asked to enter the name on your Delorme account at explore.delorme.com. The name provided must be identical to the name on your Delorme account. The easiest way to confirm the exact name on your account is to send a text from your inReach device to your personal email address. Your Delorme name will appear in the subject line.

1. Go to Messages on your inReach device and select New Message
2. Type 24wx@ocens.com, 48wx@ocens.com or 72wx@ocens.com or select them from your contact list.
3. Type the latitude and longitude of the location for which you want a weather forecast.
4. Switch to number mode on your inReach keyboard. Then follow these few basic rules:
 - a. North latitude and East longitude are positive. That means if you are asking for a location in the Southern Hemisphere, you'll need to precede the latitude with a minus sign. Likewise, if looking for a Western hemisphere location, precede that longitude with a minus sign.
 - b. Express your latitude and longitude values in degrees and fractions of a degree. For example, 46 degrees 30 minutes North would be expressed as 46.5 . 122 degrees 45 minutes West would be expressed as -122.75.
 - c. Note that you can use either a period or an apostrophe ' to separate your units in the latitudes or longitudes you use. If you use a period, the inReach assumes you are ending a sentence so it pushes you out of the number entry screen and into the text entry screen. Kind of a pain. If you use the apostrophe ' instead of the period, you stay on the number entry screen.
 - d. SpotCast Extreme will also accept whole integer latitude and/or longitude values, eg 46,-123.
 - e. Separate your latitude value from your longitude value with a comma.
5. After entering the lat and lon of interest to you, find the OK button on the number entry pad and press it.
6. Press the Send button to request your weather. Weather will be returned within a few minutes.

5. Zoleo

5.1. Requesting SpotCast / WaveCast marine weather forecasts

1. In the Zoleo app, tap on the "+" bubble in the upper right to start a new message
2. In the name/number field, type your weather preference:
 - a. 24wx@ocens.com: For a 24 hour wx/wave forecast
 - b. 48wx@ocens.com: For a 48 hour wx/wave forecast
 - c. 72wx@ocens.com: For a 72 hour wx/wave forecastYou may choose to add one or more of these to your contact library.
3. Tap the position icon to the left of the message field to send a position.
 - a. NOTE: You can manually enter any earth position using the format xx.x,yyy.y where x is latitude in degrees and fractions of a degree and y is longitude in degrees and fractions of a degree. Preface latitude with a minus sign (-) if in the southern hemisphere and longitude with a minus sign (-) if in the western hemisphere.

That's it! You will receive your forecast with in a minute or two.

5.2. Requesting FlyCast Weather Forecasts

1. In the Zoleo app, tap on the "+" bubble in the upper right to start a new message

2. In the name/number field add `avwx@ocens.com`

You may choose to add `avwx@ocens.com` to your contact library.

3. Tap the position icon to the left of the message field to send a position.

NOTE: You can manually enter any earth position using the format `xx.x,yyy.y` where `x` is latitude in degrees and fractions of a degree and `y` is longitude in degrees and fractions of a degree. Preface latitude with a minus sign (-) if in the southern hemisphere and longitude with a minus sign (-) if in the western hemisphere.

That's it! You will receive your forecast with in a minute or two.

5.3. Requesting FlyCast TAF and METAR reports

1. In the Zoleo app, tap on the "+" bubble in the upper right to start a new message
2. For METAR reports, type `metar@ocens.com` in the name/number field and, in the message field at the bottom of the screen, the 4-character code of the airport for which you want to receive the METAR report.
For TAF reports, type `taf@ocens.com` in the name/number field and, in the message field at the bottom of the screen, the 4-digit code of the airport for which you want to receive the TAF report.

You may choose to add `metar@ocens.com` and `taf@ocens.com` to your contact library.

That's it! You will receive your forecast with in a minute or two.

5.4. Submitting Tracking Positions

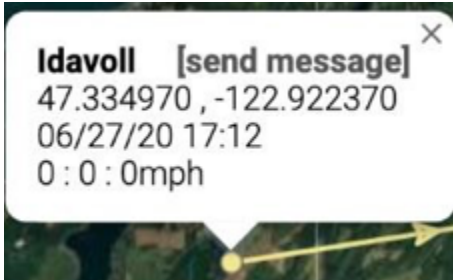
1. In the Zoleo app, tap on the "+" bubble in the upper right to start a new message
2. In the name/number field add snap@ocens.com
You may choose to add snap@ocens.com to your contact library.
3. Tap the position icon to the left of the message field to send a position.

That's it! Your position will be delivered to OCENS SnapTrack.

Send friends, family and others to <http://snap.ocens.com> to view your trackline and waypoints. They will need either your OCENS screen name or user name that you created when you registered your voucher to view your trackline.

5.5. Group Messaging to your Zoleo fleet from the SnapTrack page

- 1) Contact sales@ocens.com to:
 - a. Assemble your Zoleo fleet into a Snap group. Each group member must have an active SnapTrack account;
 - b. Assign a group name to the fleet.
- 2) Go to <http://snap.ocens.com> and enter the group name in the Group field and click the View Map button.
- 3) Click on the waypoint of a trackline for any of the group members to access the messaging dialog



- 4) Click on Send Message

Register for a free OneMessage account if you have not done so previously. If you have done so, enter the account's username and password to proceed. This is requested only once per session.

- 5) Send your message to just the one Zoleo on whose trackline you clicked or send to all members of your group. Be sure to check 'Also send to member's phones'.

Type your message and then press the 'Send Message' button

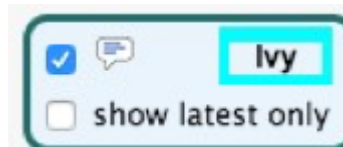
- 6) All the Zoleo members of your group will soon receive your message. The message will start with your Snap/OneMessage username in brackets [username] and, if sent to the entire group, the name of the group it was sent to in parentheses (group msg sent to groupname). The message then follows.

Replying to Group Messages from the SnapTrack page

- 1) Start a new message in your Zoleo
- 2) Address the message to snap@ocens.com
- 3) Start the body of your message with the name of your group and then a colon, eg.
<groupname>: <message>


NOTE: To send to only one user start the body of your message with that username and a colon, eg. username:

- 4) Type the rest of your message and send
- 5) On the Snap page, all group members with tracks appear in the lower right corner of the screen. If one of the members of a group is messaging, the colored dot to the left of that



member name will change to a message icon and start blinking. The Snap page is passively watching for messages from your Zoleo friends or vessels to you all of the time.



- a. Click on the flashing  to Read the Message
- b. You can reply to the message from the message list when finished reading and again have the option to send just to the individual or to the group as a whole.

5.6. Requesting Buoy reports

Buoy info can be retrieved through Zoleo by sending to buoy@ocens.com either:

- 1) The numeric or alphanumeric code for the buoy of specific interest to you. Roughly 1200 individual buoys spread out over the Atlantic, Gulf and Pacific are available in the present database. Admittedly most are in the Northern Hemisphere.
- 2) Let our geo algorithm find the buoy closest to you by entering a lat/lon value in the format xx,yyy with southern and western hemispheres prefaced by a '-'. Use as many significant digits after the integer as you like.

6. Iridium 9575

Setting up your 9575's Text Messaging Number

If you have never sent an SMS or text message from your 9575 you will need to input Iridium's SMS Service Center number before requesting your first SpotCast. To do so:

- 1) Select Menu from the main screen of your phone
- 2) Scroll down and select Messages
- 3) Scroll down and select Settings (you will have to scroll down and past the bottom of the first Messages window to see Settings on the top of the second Messages screen)
- 4) Select Service Center
- 5) After the +, type 881662900005, then select OK
- 6) You are now ready to send Outbound SpotCast requests

6.1. Creating Presets for SpotCast Extreme on your 9575

To setup your Iridium 9575 Extreme to quickly place SpotCast Extreme requests, follow these steps to create Preset messages:

1. Power up your 9575 and select the Menu from the main screen
2. Select My Phonebook
3. Select Options
4. Scroll down the list of Options and select New
5. In the first line of the New screen, assign a name to the entry you will use to request a Spotcast. For example, if you are going to be requesting 24 hour weather, perhaps the name you put here would be 24wx. You will use the phone's keypad to enter the name. If you want to change the pad from alphabetical to numbers, press the # key three (3) times.
6. Once you have assigned your entry a name, scroll down the new entry screen with the Down arrow on the phone until you reach the line beginning with the @ symbol.
7. On the line beginning with the @ symbol, type the address of the SpotCast you have purchased:
 - a. 24wx@ocens.com : A 24 hour forecast including a forecast for every 6 hours will be returned to you in a few minutes.
 - b. 48wx@ocens.com : Two text messages are sent. The first message is for the first 24 hours at your location and a second for the following 24 hour period (hours 30 through 48).
 - c. 72wx@ocens.com : Three text messages are sent including the two associated with the 48 hour plus a message covering hours 54 through 72.
8. Note that purchasing a subscription to the 48 hour SpotCast service allows you to request a 24 hour forecast or the 48 hour described above. Likewise, purchasing the 72 hour allows you to request a 24, 48 or 72 hour forecast at your discretion. If you are interested in doing so, you will need to create a Preset message for each of the SpotCasts your subscription enables you to access.
9. Click Save which returns you to your phonebook screen.
10. Move Back to your phone's main screen and select Menu
11. Scroll to and select Setup
12. Select Location Options
13. Scroll down and select Message Options
14. Scroll and select Quick GPS List
15. Move to one of the [Empty] lines and select Options
16. Select Edit
17. Scroll and select the Name you created in Step (5) above
18. Select Back until you return to main screen

6.2. Requesting SpotCasts from your Iridium 9575

There are two ways to requests Spotcasts using your Preset(s):

With the Quick GPS button on the side of your phone

1. With the front of the phone facing you, press the button on the right hand side of the phone (as you look at it). The button is about 1 inch below the top of the phone on that right side
2. You'll see your current GPS location posted to the phone's screen.
3. Select Share
4. Select Quick GPS
5. You should see a message SMS Message Sent. If you do your SpotCast request has been sent to Iridium and is on its way to the OCENS weather server using the Preset you created above and assigned to the Quick GPS List.
6. If you do not see, SMS Message Sent
 - a. Check to see that you have setup the Iridium SMS Service Center number on your phone (see below)
 - b. Be sure the Messaging library on your phone is not full. You can store 30 to 40 SMS messages in the Inbox, Outbox or Drafts folder on your phone. If the library gets full you cannot Send or Receive SMS messages.

Using the 9575 Menu

- 1) From the main screen, select Menu
- 2) Scroll down and select Setup
- 3) Select Location Options
- 4) Scroll Down and select Current Location
- 5) Select Share
- 6) Select Quick GPS
- 7) You should see a message SMS Message Sent. If you do your SpotCast request has been sent to Iridium and is on its way to the OCENS weather server using the Preset you created above and assigned to the Quick GPS List.
- 8) If you do not see, SMS Message Sent
 - a. Check to see that you have setup the Iridium SMS Service Center number on your phone (see below)
 - b. Be sure the Messaging library on your phone is not full. You can store 30 to 40 SMS messages in the Inbox, Outbox or Drafts folder on your phone. If the library gets full you cannot Send or Receive SMS messages.

6.3. Requesting weather for locations away from your present location

If you'd like to receive weather for locations other than where you are presently located, use the 9575's Messaging feature in the following way:

1. Go to Messages on your 9575's Menu screen
2. Select Create Message
3. In the Message field, type the latitude and longitude of the location for which you want a weather forecast. Move to number entry and follow these few basic rules when you are entering the location:
 - a. North latitude and East longitude are positive. That means if you are asking for a location in the Southern Hemisphere, you'll need to precede the latitude with a minus sign. Likewise, if looking for a Western hemisphere location, precede that longitude with a minus sign.
 - b. Express your latitude and longitude values in degrees and fractions of a degree. For example, 46 degrees 30 minutes North would be expressed as 46.5 . 122 degrees 45 minutes West would be expressed as -122.75
 - c. We will also accept whole integer latitude and/or longitude values, eg 46,-123.
 - d. Separate your latitude value from your longitude value with a comma.
4. After entering the lat and lon of interest to you, press Options at the base of theMessage field.
5. Select Send.
6. Select New Recipient and press Add.
7. Enter 24wx@ocens.com, 48wx@ocens.com or 72wx@ocens.com or Select them from your contact list by scrolling down the list of recipient's on your screen
8. Select this address again on the Send To screen
9. Press the Send button on the Send To screen to request your weather. Your 9575 will shortly confirm that the SMS was sent (or if signal was inadequate, the SMS send failed). Weather will be returned within a few minutes as an SMS message to your phone.

7. Iridium GO!

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7.1. Creating Presets for SpotCast on your GO!

To setup your Iridium GO! to quickly place SpotCast Extreme requests for weather at your present location, use the Quick GPS feature of the GO!. To set that up, follow these steps:

1. If you have not done so already, download the Iridium GO! app from the Apple App store or Google Play
2. Power up your GO!
3. Login to the GO! from the Iridium GO! app
4. Go to Settings
5. Select Track
6. The top of the subsequent page is headlined 'Quick GPS Recipients'
7. In the first line of entries, type the address of the SpotCast Extreme you have purchased*:
 - a. 24wx@ocens.com : A 24 hour forecast including a forecast for every 6 hours will be returned to you in a few minutes.
 - b. 48wx@ocens.com : Two text messages are sent. The first message is for the first 24 hours at your location and a second for the following 24 hour period (hours 30 through 48).
 - c. 72wx@ocens.com : Three text messages are sent including the two associated with the 48 hour plus a message covering hours 54 through 72; or
8. Note that purchasing a subscription to the 48 hour SpotCast Extreme service allows you to request a 24 hour forecast or the 48 hour described above. Likewise, purchasing the 72 hour allows you to request a 24, 48 or 72 hour forecast at your discretion. If you are interested in doing so, you will need to create a Preset message for each of the SpotCast Extremes your subscription enables you to access.
9. Click Done and then Save which returns you to the GO! app's Settings screen.
10. Click Home to return to the GO! app's main screen
11. Verify that your GO! has signal
12. Click the Track icon on the GO! app's main screen
13. Click the Quick GPS button at the base of the subsequent screen
14. The GO! will confirm that the message was successfully sent
15. Your SpotCast Extreme products will be returned to you in a few minutes. Forecasts will appear as a new message in the Messaging section of the GO!

7.2. Requesting weather for locations away from your present location

If you'd like to receive weather for locations other than where you are presently located, use the GO! app's Messaging feature in the following way:

1. Go to Messages on your GO! app device Home screen
2. Click on the Create Message icon in the upper right corner of the Message screen
3. In the To: field type 24wx@ocens.com, 48wx@ocens.com or 72wx@ocens.com or select them from your contact list by clicking on the + to the right of the To: field
4. In the Message field, type the latitude and longitude of the location for which you want a weather forecast. Move to number entry and follow these few basic rules when you are entering the location:
 - a. North latitude and East longitude are positive. That means if you are asking for a location in the Southern Hemisphere, you'll need to precede the latitude with a minus sign. Likewise, if looking for a Western hemisphere location, precede that longitude with a minus sign.
 - b. Express your latitude and longitude values in degrees and fractions of a degree. For example, 46 degrees 30 minutes North would be expressed as 46.5 . 122 degrees 45 minutes West would be expressed as -122.75
 - c. We will also accept whole integer latitude and/or longitude values, eg 46,-123.
 - d. Separate your latitude value from your longitude value with a comma.
5. After entering the lat and lon of interest to you, press Send to the right of the Message field.
6. Press the Send button to request your weather. Weather will be returned within a few minutes as a Message in your GO! app.

8. IsatPhone Pro (2)

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8.1. Creating Presets for SpotCast Extreme on your IsatPhone Pro

To setup your IsatPhone Pro or Pro 2 to quickly place SpotCast Extreme requests for weather at your location, follow these steps to create Preset messages:

1. Power up your IsatPhone Pro and select the Contacts icon from the main screen
2. Select Phonebook
3. Select Options
4. Scroll down the list of Options and select New Contact
5. In the first name line of the New screen, assign a name to the entry you will use to request a SpotCast Extreme. For example, if you are going to be requesting 24 hour weather, perhaps the name you put here would be 24wx. You will use the phone's keypad to enter the name. If you want to change the pad from alphabetical to numbers, press the # key three (3) times.
6. Select the line reading Email and type the address of the SpotCast Extreme you have purchased:
 - a. 24wx@ocens.com : A 24 hour forecast including a forecast for every 6 hours will be returned to you in a few minutes.
 - b. 48wx@ocens.com : Two text messages are sent. The first message is for the first 24 hours at your location and a second for the following 24 hour period (hours 30 through 48).
 - c. 72wx@ocens.com : Three text messages are sent including the two associated with the 48 hour plus a message covering hours 54 through 72.
7. Once you have assigned your entry a name, select Options; then select Add Detail.
8. Scroll to the right and then down in Add Detail until you reach Email.
9. Note that purchasing a subscription to the 48 hour SpotCast Extreme service allows you to request a 24 hour forecast or the 48 hour described above. Likewise, purchasing the 72 hour allows you to request a 24, 48 or 72 hour forecast at your discretion. If you are interested in doing so, you will need to create a Preset message for each of the SpotCast Extremes your subscription enables you to access.
10. Click Enter and then confirm Yes, you want to Save the new contact.

8.2. Requesting SpotCast Extreme reports for weather at your location from your IsatPhone Pro or Pro 2

1. From the main screen, select Menu
2. Scroll down and select GPS Position
3. Select Options
4. Scroll down and select Send GPS Location
5. Press Send
6. Scroll to and select Email Message
7. Select Options when your cursor is flashing within the To: field
8. Select Add Recipient
9. Select the SpotCast Extreme address to which you are sending
10. Select Options
11. Select Send
12. Wait for confirmation of Send

8.3. Requesting weather for locations away from your present location

If you'd like to receive weather for locations other than where you are presently located, use the IsatPhone Pro/2's Messaging feature in the following way:

1. Go to Messages on your Pro/2 Menu screen
2. Select New Message
3. Select Email Message
4. In the Message field, type the latitude and longitude of the location for which you want a weather forecast. Move to number entry and follow these few basic rules when you are entering the location:
 - a. North latitude and East longitude are positive. That means if you are asking for a location in the Southern Hemisphere, you'll need to precede the latitude with a minus sign. Likewise, if looking for a Western hemisphere location, precede that longitude with a minus sign.
 - b. Express your latitude and longitude values in degrees and fractions of a degree. For example, 46 degrees 30 minutes North would be expressed as 46.5 . 122 degrees 45 minutes West would be expressed as -122.75
 - c. SpotCast Extreme will also accept whole integer latitude and/or longitude values, eg 46,-123.
 - d. Separate your latitude value from your longitude value with a comma.
5. After entering the lat and lon of interest to you, scroll up to the To: field
6. Select Options
7. Select Add Recipient
8. Scroll and select the name you have assigned to either 24wx@ocens.com, 48wx@ocens.com or 72wx@ocens.com .
9. Select Options
10. Select Send
11. Your Pro/2 will shortly confirm that the SMS was sent (or if signal was inadequate, the SMS send failed). Weather will be returned within a few minutes as an SMS message to your phone.

OneMessage

OneMessage users can now access text weather reports and forecasts for land sea and aviation.

Use the OneMessage app to easily retrieve a position specific forecast for your location or any other location on earth. You can request wave forecast for off shore locations, specific NOAA marine forecast statements and NOAA buoy reports. Aviation data such as location specific reports, METAR, and TAF reports from airports are also available.

Any OneMessage user with a subscription to one of OCENS text based weather services (SpotCast, WaveCast, or FlyCast) can now request these reports via the OneMessage app by sending a position or specific product code request to the corresponding OneMessage service and your text report will be returned in a just a moment.

SpotCast:

Send a position (e.g. "47.398,-122.324") to the OneMessage user "weather". You will then receive a 24, 48, or 72hr forecast (dependant on your subscription) for that location.

To signup for SpotCast please visit: <https://www.ocens.com/spotcast>

WaveCast:

Send a position (e.g. "47.398,-122.324") to the OneMessage user "wave". You will then receive a 24, 48, or 72hr wave forecast (dependant on your subscription) for that location when you next check for messages..

WaveCast is an add on service for SpotCast. Please contact OCENS if you would like to add this service to an existing SpotCast account or visit <https://www.ocens.com/spotcast> to sign up for SpotCast with WaveCast.

Buoy Reports

WaveCast subscribers can also request a buoy report from the nearest NOAA weather buoy based on your location by sending a position (e.g. "47.398,-122.324") to the user "buoy". You can also request a report from a specific buoy by sending the specific buoy number instead of your position (eg "46001") .

NOAA Text Reports

WaveCast subscribers can also request the NOAA marine text forecast by sending a position (e.g. "47.398,-122.324") to the user "NOAA". This will return the NOAA marine text report for the zone you are in. You may also request a specific text forecast by sending in the forecast product code (eg "pzz135" for the Puget Sound and Hood Canal forecast)

FlyCast:

Send a position (e.g. "47.398,-122.324") to the OneMessage user "avwx". You will then receive an aviation forecast for that location.

METAR/TAF

METAR and/or TAF reports are accessed by sending the four digit International Civil Aviation Organization (ICAO) airport code of interest to the OneMessage user "metar" or "taf". Your text report will be returned in a just a moment.

To signup for FlyCast please visit: <https://www.ocens.com/flycast>

9. OCENS Contact Information

You can reach OCENS Support via

Email: support@ocens.com (Please include your inReach device's IMEI number or your satellite phone's MSISDN in all correspondence.)

or

Phone: 001.206.878.8270

Our address is:

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