

Last weekend CLE205 allowed us to re-visit our once-a-year-decoding events which alternate between DGPS and NAVTEX. 25 of us sent DGPS logs (plus one that unfortunately had to miss the deadline). Conditions were not so special, but we 'heard' 205 different stations (one less than 2 years ago) from 77 radio countries.

Some listeners are still a bit puzzled by what at first seems to be a rather peculiar way of identifying our DGPS loggings.

Each transmitter site Worldwide has a unique **TX Ident which we show with an initial '#' - e.g. #481** That is used in the various databases to identify the Station, so it is needed on all logs.

It gets a bit complicated because the actual GPS correction data comes from a nearby receiving station where the GPS signals are received and their accuracy can be calculated.

There are usually two of those nearby receiving stations and they also have separate IDs which are also intended to be unique Worldwide.

We show these **RX idents with an initial '(' - e.g. (741 and (742** , the normal RX ID (BCRef) and the other (BCRef2) for the alternative receiving site.

The key thing is that **it is the RX Ident which is transmitted to be read by our decoders, NOT the TX ident.**

Any one Station may change from time to time to use data from its alternative receiving Station. We then get the different RX ident from our decoders.

DSCdecoder comes with a reference list which is used to find and display the RX ids AND their corresponding TX Ids which it works out for you.

Sometimes it doesn't have the details for a station whose RX ID you have received - it may even have wrong data, pointing you to the wrong TX station!

The decoders indicate **whether a decode is valid** and they **tell you the RX Ident** and we should know **the kHz - the three critical things for identification.**

(There were two listeners' logs where the decoded RX IDs, (nnn , were not shown. Those results may therefore be less reliable.

Without a RX ID, sometimes these logs cannot be included when the given kHz and TX ID do not match a real Station).

I have gone through all the CLE loggings to extract the cases where **RX ids other than the main one** (usually the lower number) were reported. Please see the table below.

Details shown in the left hand half come from my Database (which benefits considerably from information in RWW and in Alan's DGPS Database).
 After conversion to a common format by the harvester program, **all the details in the right hand half come directly from the reporters' logs.**

The occurrence of the alternative RX idents (and others) is flagged on both sides in red - e.g. **(724)**. ALL the reports for those Stations are shown and the day and time is repeated on the right because it helps to see when a particular Station was switched to use of its alternative RX station.

(For a few countries the decoded ID is the same as the TX Ident, though that is not the strictly correct practise.
 There are also a few countries which choose Ref Ids that are not their allocated ones).

Station Location	ITU	kHz	TX ID	BCRef	BCRef2	Reporter	day - UTC - kHz - TX ID - Ref ID - Location, etc. - -	dd	UTC
Dziwnow	POL	283.5	#481	(741	(742	CZE my	25 19:09 283.500 #481 (741 Dziwnow POL 472 "	25	19:09
						CZE ze	25 21:20 283.5 #481 (741 Dziwnow POL 308 "	25	21:20
						DEU hw	25 11:21 283.5 #481 (741 POL Dziwnow "	25	11:21
						DEU je	25 19:45 283.5 #481 741 Dziwnow POL 741 "	25	19:45
						ENG ag	25 23:38 283.5 #481 (741 Dziwnow POL 100 1109 "	25	23:38
						ENG bk	25 18:20 283.5 #481 (741 Dziwnow POL 100 1063 "	25	18:20
						ENG	25 22:26 283.5 #481 (741 Dziwnow. POL "	25	22:26
						FIN jt	26 01:48 283.5 #481 (741 992 Dziwnow. POL "	26	01:48
						FIN r0	25 22:13 283.5 #481 1315 Dziwnow. POL "	25	22:13
						FRA jj	25 22:52 283.5 #481 (741 Dziwnow POL "	25	22:52
						HOL rb	25 18:02 283.5 #481 #741 100 BPS POL 796 Dziwnov "	25	18:02
						NIR ry	25 23:30 283.5 #481 (742 100 Dziwnow Poland "	25	23:30
						POL ls	25 18:55 283.5 #481 (741 POL Dziwnow "	25	18:55
						SCT ds	25 23:03 283.5 #481 (741 1287 Dziwnow POL "	25	23:03
Polson, MT	USA	287	#849	(060	(061	USA MO	26 06:31 287 #849 (060 Polson. Montana "	26	06:31
						USA NH	26 09:04 287 #849 (012 Polson. Montana. USA "	26	09:04
						USA TX	28 08:15 287 #849 (060 100 USA MT Polson "	28	08:15
						USA WA	26 09:35 287 #849 (60 Polson. MT. USA "	26	09:35
Torshavn	FRO	287.5	#454	(715	(716	CZE my	25 19:45 287.500 #454 (715 Thorshavn FRO 1850 "	25	19:45
						CZE ze	25 22:58 287.5 #454 (715 Thorshavn FRO 1830 "	25	22:58
						DEU hw	26 03:24 287.5 #454 (716 FRO Thorshavn "	26	03:24
						DEU je	25 22:08 287.5 #454 715 Thorshavn FRO 715 "	25	22:08
						ENG ag	27 22:45 287.5 #454 (715 Torshavn FRO 100 1627 "	27	22:45
						ENG bk	25 19:41 287.5 #454 (715 Torshavn FRO 100 1258 "	25	19:41
						ENG	25 22:35 287.5 #454 (715 Thorshavn. FRO "	25	22:35
						FRA jj	27 00:32 287.5 #454 (715 Thorshavn FRO "	27	00:32
						HOL rb	25 11:50 287.5 #454 #715 100 BPS FRO 1326 Torshavn "	25	11:50

						POL Is	26 21:32 287.5 #454 (715 FRO Thorshavn "	26 21:32
						SCT ds	25 23:16 287.5 #454 (715 686 ThorshavnFRO "	25 23:16
Vlieland Lt	HOL	294	#428	(428	(655	CZE ze	27 2345 294.0 #428 (428 Vlieland Lt. HOL 748 "	27 23:45
						DEU hw	25 11:31 294 #428 (428 HOL Vlieland Lt "	25 11:31
						DEU je	25 2141 294.0 #428 428 Vlieland Lt HOL 655 "	25 21:41
						ENG ag	25 2359 294.0 #428 (655 Vlieland Lt HOL 200 475 "	25 23:59
						ENG bk	25 12:21 294 #428 (428 Vlieland Lt HOL 200 433 "	25 12:21
						ENG	25 22:50 294.0 #428 (428 Vlieland Lt. HOL "	25 22:50
						FRA jj	25 16:22 294 #428 (428 Vlieland Lt HOL "	25 16:22
						HOL rb	25 11:23 294.0 #428 #428 200 BPS HOL 221 Vlieland Lt "	25 11:23
						NIR ry	26 01:09 294.0 #428 (428 200 Vlieland Lt Netherlands "	26 01:09
						SCT ds	25 23:33 294.0 #428 (428 723 Vlieland LtHOL 200bps "	25 23:33
St Marys, WV	USA	295	#843	(092	(093	USA MI bj	26 0201 295.0 #843 (092 st marys wv USA 200 231 "	26 02:01
						USA MO	27 0044 295 #843 (093 St. Mary's. West Virginia "	27 00:44
						USA MO	25 1836 295 #843 (092 St. Mary's. West Virginia "	25 18:36
						USA NH	25 20:16 295 #843 (092 St Mary's. West Virginia. USA "	25 20:16
						USA NJ	26 00:29 295.0 #843 (092 355 St Mary's. West Virginia. USA "	26 00:29
						USA NJ	26 05:33 295.0 #843 (092 St Mary's. West Virginia. USA "	26 05:33
						USA TX	28 0824 295 #843 (092 200 USA WV St Mary's "	28 08:24
Narva	EST	295.5	#531	(531	(861	CZE my	25 20:20 295.500 #531 (861 Narva EST 1333 "	25 20:20
						CZE ze	25 2203 295.5 #531 (531 Narva EST 1271 "	25 22:03
						DEU hw	25 17:16 295.5 #531 (531 EST Narva "	25 17:16
						DEU je	26 2005 295.5 #531 531 Narva EST 861 "	26 20:05
						ENG bk	25 20:48 295.5 #531 (531 Narva EST 100 1998 "	25 20:48
						ENG	25 21:08 295.5 #531 (531 Narva. EST "	25 21:08
						FIN jt	25 13:01 295.5 #531 (531 320 Narva. EST "	25 13:01
						FIN r0	25 21:53 295.5 #531 571 Narva. EST "	25 21:53
						FRA jj	25 22:39 295.5 #531 (531 Narva EST "	25 22:39
						HOL rb	26 01:52 295.5 #531 #531 100 BPS EST 1764 Narva "	26 01:52
						POL Is	25 18:22 295.5 #531 (531 EST Narva database ID: (861 "	25 18:22
St. Jean Sur	CAN	296	#929	(312	(313	USA NH	25 16:20 296 #929 (313 St Jean Sur Richelieu. Quebec. Canada "	25 16:20
						USA NJ	26 05:20 296.0 #929 (312 St Jean Sur Richelieu. Quebec. Canada	26 05:20
						USA MO	27 0044 296 #929 (313 St. Jean Sur Richeileu. Quebec "	27 00:44
						USA NJ	26 07:55 296.0 #929 (313 364 St Jean Sur Richelieu. Quebec.	26 07:55
Riviere du Loop, QC	CAN	300	#926	(318	(319	USA MO	27 0051 300 #926 (319 Riviere Du Loop. Quebec "	27 00:51
						USA NJ	26 07:43 300.0 #926 (319 581 Riviere Du Loup. Quebec. Canada "	26 07:43

						USA NJ	26 05:23 300.0 #926 (318 Riviere Du Loup. Quebec. Canada "	26 05:23
						USA NH	25 16:20 300 #926 (319 Riviere Du Loup. Quebec. Canada "	25 16:20
						USA TX	28 0830 300 #926 (319 200 CAN QC Riviere Du Loup "	28 08:30
Point Loma, CA	USA	302	#881	(262	(263	USA CA	26 06:36 302.0 #881 (265 101 Point Loma. CA. USA "	26 06:36
						USA MO	26 1137 302 #881 (262 Point Loma. California "	26 11:37
						USA TX	27 0325 302 #881 (262 100 USA CA Point Loma "	27 03:25
Tarifa	ESP	302.5	#356	(511	(512	FRA pn	27 01:10 302.5 #356 (512 Tarifa. Spain 1132 "	27 01:10
Rota	ESP	303.5	#355	(509	(510	FRA jj	25 22:55 303.5 #355 (510 Rota ESP "	25 22:55
						FRA pn	28 02:06 303.5 #355 (510 Rota. Spain 1126 "	28 02:06
						CZE my	27 19:24 303.500 #355 (510 Rota ESP 2174 "	27 19:24
Lista	NOR	304	#503	(783	(813	CZE my	25 21:14 304.000 #503 (813 Lista NOR 1032 "	25 21:14
						CZE ze	27 2333 304.0 #503 (783 Lista Lt. NOR 991 "	27 23:33
						DEU hw	25 13:35 304 #503 (783 NOR Lista "	25 13:35
						DEU je	25 2005 304.0 #503 783 Lista NOR 783 "	25 20:05
						ENG ag	26 0049 304.0 #503 (783 Lista Lt NOR 200 740 "	26 00:49
						ENG bk	26 12:26 304 #503 (783 Lista NOR 100 881 200bps "	26 12:26
						ENG	25 23:22 304.0 #503 (783 Lista. NOR "	25 23:22
						FIN jt	25 23:52 304.0 #503 (783 1036 Lista. NOR "	25 23:52
						FRA jj	25 16:39 304 #503 (783 Lista NOR "	25 16:39
						HOL rb	25 11:38 304.0 #503 #783 200 BPS NOR 756 Lista Lt "	25 11:38
						NIR ry	26 00:36 304.0 #503 (783 200 Lista Norway "	26 00:36
						POL ls	25 20:05 304 #503 (783 NOR Lista "	25 20:05
						SCT ds	26 01:15 304.0 #503 (783 754 Lista NOR "	26 01:15
Biorka	ALS	305	#890	(280	(281	USA WA	26 08:48 305 #890 (281 Biorka Island. ALS "	26 08:48
Cardinal, ON	CAN	306	#919	(308	(309	USA TX	28 0840 306 #919 (309 200 CAN ON Cardinal "	28 08:40
						USA NH	25 21:00 306 #919 (309 Cardinal. Ontario. Canada "	25 21:00
Ristna Lt	EST	307	#530	(530	(840	CZE ze	26 0040 307.0 #530 (530 Ristna Lt. EST 1023 ???? "	26 00:40
						DEU hw	25 13:39 307 #530 (530 EST Ristna Lt. "	25 13:39
						DEU je	25 2042 307.0 #530 530 Ristna Lt EST 840 "	25 20:42
						ENG ag	26 0051 307.0 #530 (840 Ristna Lt EST 100 1596 "	26 00:51
						ENG bk	25 19:20 307 #530 (530 Ristna Lt EST 100 1651 "	25 19:20
						ENG	25 23:38 307.0 #530 (530 Ristna Lt.. EST "	25 23:38
						FIN jt	25 12:44 307.0 #530 (530 303 Ristna Lt.. EST "	25 12:44
						FIN r0	25 21:27 307 #530 644 Ristna Lt.. EST "	25 21:27

						FRA jj	27 00:29 307 #530 (530 Ristna Lt. EST "	27 00:29
						HOL rb	26 21:56 307.0 #530 #530 100 BPS EST 1422 Ristna Lt "	26 21:56
						NIR ry	26 00:36 307.0 #530 (530 100 Ristna Lt Estonia "	26 00:36
						POL ls	25 18:39 307 #530 (530 EST Ristna Lt. database ID: (840 "	25 18:39
						SCT ds	26 00:03 307.0 #530 (840 1656 Ristna Lt. EST "	26 00:03
Alert Bay, BC	CAN	309	#909	(300	(301	USA WA	26 08:05 309 #909 (301 Alert Bay. BC. CAN "	26 08:05
						USA CA	28 08:51 309.0 #909 (301 1231 Alert Bay. BC. CAN "	28 08:51
Shepelevskiy 2	RUS	311	#005	(002		HOL rb	26 23:10 311.0 #005 #005 100 BPS RUS 1834 Shepelevskiy 2 "	26 23:10
						FRA jj	27 00:27 311 #005 (005 Shepelevskiy 2 RUS "	27 00:27
						FIN r0	25 21:21 311 #005 531 Shepelevskiy 2. RUS "	25 21:21
						DEU hw	25 19:27 311 #005 #005 RUS Shepelevskiy 2 "	25 19:27
						ENG ag	26 00:56 311.0 #005 (005 Shepelevskiy 2 RUS 100 1946 "	26 00:56
						FIN jt	25 12:47 311.0 #005 (005 331 Shepelevskiy 2. RUS "	25 12:47
						CZE ze	25 22:37 311.0 #005 (005 Shepelevskiy 2 RUS 1350 "	25 22:37
						DEU je	26 22:40 311.0 #005 002 Shepelevskiy 2 RUS 002 "	26 22:40
						POL ls	25 19:33 311 #005 (005 RUS Shepelevskiy 2 database ID: (002 "	25 19:33
						ENG	25 23:54 311.0 #005 (005 Shepelevskiy 2. RUS "	25 23:54
Hoek van Holland	HOL	312.5	#425	(425	(650	CZE my	26 02:34 312.500 #425 (425 Hoek Van Holland HOL 712 "	26 02:34
						CZE ze	25 23:03 312.5 #425 (425 Hoek van Holland HOL 780 "	25 23:03
						DEU hw	25 14:23 312.5 #425 (425 HOL Hoek Van Holland "	25 14:23
						DEU je	25 22:00 312.5 #425 425 Hoek van Holland HOL 650 "	25 22:00
						ENG ag	26 00:57 312.5 #425 (650 Hoek v Holland HOL 200 479 "	26 00:57
						ENG bk	25 12:40 312.5 #425 (425 Hoek van Holland HOL 200 321 "	25 12:40
						ENG	25 23:55 312.5 #425 (425 Hoek Van Holland. HOL "	25 23:55
						FIN jt	25 23:32 312.5 #425 (425 1594 Hoek Van Holland. HOL "	25 23:32
						FRA jj	25 16:44 312.5 #425 (425 Hoek Van Holland HOL "	25 16:44
						HOL rb	25 11:45 312.5 #425 #425 200 BPS HOL 61 Hoek van Holland "	25 11:45
						POL ls	25 19:28 312.5 #425 (425 HOL Hoek Van Holland "	25 19:28
						SCT ds	26 00:22 312.5 #425 (425 750 Hoek VanHolland HOL 200bps "	26 00:22
Moise, QC	CAN	313	#925	(320	(321	USA NH	26 01:07 313 #925 (321 Moisie. Quebec. Canada "	26 01:07
Brunswick, ME	USA	316	#800	(042	(043	USA FL	26 09:28 316 #800 Brunswick NAS. Maine. USA "	26 09:28
						USA NH	25 16:26 316 #800 (043 Brunswick NAS. Maine. USA "	25 16:26
						USA NJ	26 00:45 316.0 #800 (043 350 Brunswick NAS. Maine. USA "	26 00:45
Point Escuminac, NB	CAN	319	#936	(332	(333	HOL rb	27 05:18 319.0 #936 #333 200 BPS CAN NB 4800 Point	27 05:18
						USA NH	26 01:06 319 #936 (333 Point Escuminac. New Brunswick.	26 01:06

Millers Ferry, AL	USA	320	#865	(160	(161	USA FL	27 08:21 320 #865 Miller's Ferry. Alabama. USA "	27	08:21
						USA MO	26 0141 320 #865 (161 Miller's Ferry. Alabama "	26	01:41
						USA NJ	28 10:15 320.0 #865 (160 Miller's Ferry. Alabama. USA "	28	10:15
						USA TX	28 0900 320 #865 (161 200 USA AL Miller's Ferry "	28	09:00
St Louis	USA	322	#862	(154	(155	USA CA	26 06:53 322.0 #862 (155 1575 St Louis Summerfield. IL. USA "	26	06:53
						USA FL	26 09:32 322 #862 St Louis Summerfield. Illinois. USA "	26	09:32
						USA MO	25 1802 322 #862 (155 Summerfield. Illinois "	25	18:02
						USA TX	25 2211 322 #862 (155 200 USA IL St Louis "	25	22:11
Station Location	ITU	kHz	TX ID	BCRef	BCRef2	Reporter	day - UTC - kHz - TX ID - Ref ID - Location, etc. - -	dd	UTC

The need to understand TX IDs and the RX IDs, the ways to obtain them and how to include them in our logs all pose some questions. I have listed some of the questions in the email sending this - perhaps we can add others and help to provide some of the answers?

CLE205dgps5pt2.xls
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