

TRANS-ATLANTIC DX WINTER 2007-08 LOGGINGS

Frequencies in Khz
Time in UTC

153 ALGERIA, ENRS Chaîne 1, Béchar. So regular that I didn't took too much notes. Arabic traditional music, fair (02/18/2008, 03:52). Traditional Arabic music, good signal with low modulation (03/14/2008, 02:50). Arabic music, good (03/17/2008, 02:41).

153 GERMANY, Deutschlandfunk, Donebach. Woman in German, fair (12/28/2007, 06:17). Man in German, fair over Algeria (02/01/2008, 05:04). Woman in German then ID (probable) followed by piano music // with 207, poor to fair (01/24/2008, 04:40). Man in German, fair (02/08/2008, 04:15).

162 FRANCE, Radio France Inter, Allouis. Among the top performers. Man and woman in French, excellent (02/01/2008, 04:35). Newscast in French, excellent (02/03/2008, 05:34). Woman in French with ID, excellent (02/09/2008, 05:48). Man and woman in French, good (02/16/2008, 04:46). French song, excellent S9+10 (02/22/2008, 04:40). Techno music in English, good (02/24/2008, 03:08). Music, excellent (02/24/2008, 22:43). Woman in French followed by music, good with burst of noise, ID by a woman "Vous écoutez France Inter..." (03/03/2008, 01:57-02:00). Woman in French, excellent (03/17/2008, 01:51).

171 MOROCCO, Radio Méditerranée Int., Nador. Song "Horse with no name" with strong het against, good (01/02/2008, 22:42). Man in French, good (02/09/2008, 05:46). Arabic music, good (03/14/2008, 02:48). Man in Arabic presenting music, excellent (03/17/2008, 02:42).

171 RUSSIA, Radio Rossii, Bolshakovo. Man in Russian, poor to fair over Morocco. Thanks to Gert Nilsson and Jürgen Bartels for helping ID Russian language (02/01/2008, 04:37). Listen: http://www.quebecdx.com/russia_171.mp3

177 GERMANY, Deutschlandradio Kultur, Zehlendorf. Man in German followed by music, fair (01/13/2008, 04:47). Man in German, rarely so good (01/24/2008, 03:50). Listen: http://www.quebecdx.com/germany_177.mp3
Man in German, good (02/01/2008, 04:38). ID "Deutschlandradio", good (02/01/2008, 05:07).

183 GERMANY, Europe 1, Felsberg (Saarlouis). ID "...Europe un, le journal des sports", good (01/24/2008, 04:16). Man in French, excellent (02/01/2008, 04:39). ID "...Europe 1, le journal des sports" (again!), good (02/08/2008, 04:16). Woman in French, good and noisy (02/16/2008, 04:47). Man and woman in French about Argentina, fair + noise (02/18/2008, 03:53). Men in French, good with burst of noise (02/24/2008, 03:09). Woman in French, excellent (02/24/2008, 22:44). "Il est quatre heures trois sur Europe un...", excellent (02/25/2008, 03:03).

189 ICELAND, Ríkisútvarpid 1 and 2, Gufuskálar. Music in Icelandic (prob.), good (12/28/2007, 04:19). Ska music in English, good (01/27/2008, 02:02). Billie Holiday song, good (01/30/2008, 03:08). Music then station jingle, good (02/01/2008, 04:39). Man in English, excellent (02/09/2008, 05:40). Music under noise, poor (02/16/2008, 04:48). Music in English, fair with noise (02/24/2008, 03:09). Music in English, excellent (02/25/2008, 00:12). Man in Icelandic (prob.), excellent (03/08/2008, 23:51).

198 UNITED KINGDOM, BBC Radio 4, Unknown location. Very steady too. Woman in English, excellent (01/28/2008, 00:37). Man in English about bank crises in France, strong (02/21/2008, 01:21). Man in English, excellent (02/23/2008, 00:48). Man and woman in English, good (02/24/2008, 03:10). Man and woman in English, fair (03/17/2008, 01:53).

207 GERMANY, Deutschlandfunk, Aholming. Piano music // 153, fair (01/24/2008, 04:43). Man in German mixed with NDB, good (02/24/2008, 03:11).

207 MOROCCO, RTM-A, Azilal. Man in Arabic mixed with NDB, fair (03/14/2008, 02:51).

216 FRANCE, Radio Monte Carlo (RMC), Roumoules. Man in French, fair (12/28/2007, 04:17). Man in French with ID "RMC", good (02/01/2008, 04:40). Man in French mixed with beacon, fair (02/16/2008, 22:15). Man in French, fair (02/24/2008, 21:44). Man in French, poor over noise. This night, best among France and Germany along with France Inter and Luxembourg, RTL (02/25/2008, ,04:11).

225 POLAND, Polish Radio 1, Solec Kujaswski. Music then man in Polish, fair. Music by Dire Straits "Sultans of swing" (01/02/2008, 02:46-03:11). Man in Polish followed by Olivia Newton John "Woman in love", good (01/24/2008, 04:06). Man probably in Polish, poor (02/01/2008, 04:40).

234 LUXEMBOURG, RTL, Beidweiler. Man in French with several RTL mention, fair (12/24/2007, 04:42). Man in French, fair (02/01/2008, 04:41). Song "Mrs Robinson" by Simon and Garfunkel followed by man in French, poor (03/13/2008, 02:05).

252 ALGERIA, Radio Algérienne 1-3, Tipaza. Arabic traditional music with chant, good. Man in Arabic and French, good (02/04/2008, 02:42-02:50). Arabic music, fair signal mixed with beacon and noise (03/08/2008, 23:52). Woman in French with Arabic (translation?), good (03/14/2008, 02:52). Arabic traditional music, fair (03/17/2008, 02:39).

252 IRELAND, RTE 1, Clarkstown. Man in English, fair (02/24/2008, 03:15).

270 CZECH REPUBLIC, Český Rozhlas 1, Topolná. Readable audio with man and woman in Slavic, poor to fair. Normally heard at transmitter dawn but this time, it showed up at our local sunset http://www.quebecdx.com/czech_republic_270.mp3 (12/25/2007, 20:41). Woman talk, poor (12/30/2008, 21:26). Woman's voice, barely audible (01/13/2008, 04:50). Woman's voice, poor (01/21/2008, 04:30). Man and woman talk, poor (01/24/2008, 04:46). Music by The Police "Every breath you take", poor (02/01/2008, 04:42). Man and woman in Slavic language, fair (02/21/2008, 04:38).

279 BELARUS (tentative), Balaruskaye Radio 1, Sasnovy. Poor audio, barely audible to poor (01/02/2008, 04:40).

531 SPAIN, RNE 5, Unknown location. Woman in Spanish, fair (02/01/2008, 05:10). Woman in Spanish, poor (03/07/2008, 23:41).

549 ALGERIA, Radio Algérienne 1, Les Trembles. Arabic music, fair (02/03/2008, 21:49). Man in Arabic, fair (02/22/2008, 04:23). Arabic music, good (03/03/2008, 02:50).

549 GERMANY, Deutschlandfunk, Unknown location. Newscast in German by a man and a woman, fair over Algeria (02/01/2008, 05:14).

558 SPAIN, RNE 5, Unknown location. Woman in Spanish, fair (02/03/2008, 21:54). Talk in Spanish, synchro echo, poor to fair. (02/22/2008, 04:26)

585 SPAIN, RNE 1, Madrid. Men in Spanish describing a soccer game, fair (02/16/2008, 22:14). Man and woman in Spanish, good (02/24/2008, 02:37). Woman in Spanish, good (03/07/2008, 23:41). Tango in Spanish, fair (03/11/2008, 23:48).

- 594 GERMANY (probable), HR-Info, Unknown Location. Kim Carnes song followed by woman in what seems to be German, poor (01/30/2008, 03:22).
- 594 PORTUGAL, Radio Renascença, Muge. ID "Renascença" by a female voice followed by music, poor to fair (02/21/2008, 00:56).
- 603 FRANCE, France Info, Lyon. Woman in French, poor (03/18/2008, 22:49).
- 621 SPAIN or CANARY ISLAND, RNE 1, Unknown location. ID "Bienvenido a casa...en Radio Nacional de España", excellent (02/09/2008, 01:06). Soft music in Spanish, good with low QRM (03/06/2008, 01:16).
- 657 SPAIN, RNE 5, Madrid. Man in Spanish, poor (03/11/2008, 00:32).
- 657 ITALY, RAI 1, Torino. The Napoli outlet is a 24/7 while Torino sign off at 23:00 UTC. Listen: http://www.quebecdx.com/italy_rai_radio1.mp3 Newscast in Italian then ID and signing off, fair to good (03/18/2008, 22:56).
- 675 LIBYA (tentative), Libyan Jamahiriya Broadcasting Corp., Benghazi. Arabic talk, fair (03/18/2008, 23:10).
- 702 MONACO, China Radio International, Col de la Madonne. Man and woman in French with accent with references at Japan, poor to fair (12/30/2007, 21:13).
- 711 FRANCE, France Info, Rennes. Man in French, fair QRM with off frequency Morocco (01/12/2008, 21:53).
- 747 SPAIN or CANARY ISLANDS. RNE 5, Unknown location. Man in Spanish and ID "Radio Nacional de España", fair (03/03/2008, 02:46).
- 756 GERMANY, Deutschlandfunk, Unknown location. Man and woman in German, good (01/02/2008, 22:37). Jazz music followed by man in German, good (01/28/2008, 00:23). Classical music then female voice in German, poor to fair (02/21/2008, 01:04). Soft music // with 1422, good (02/23/2008, 00:39). Woman in German, good // with 1269 (02/23/2008, 22:48). Classical piano music, fair (02/24/2008, 02:48).

765 SWITZERLAND, Radio Suisse Romande-Option Musique, Sottens. ID jingle followed by French song, good (01/08/2008, 01:26). Song in French, good (02/05/2008, 00:35). Song in French, good with QRM (02/20/2008, 23:45). Mike Brant "laisse-moi t'aimer" French song, fair (02/23/2008, 00:41). French song, good (02/24/2008, 22:40). Music in French, good (02/25/2008, 23:42). French song, good (03/18/2008, 23:15).

774 SPAIN, RNE 1, Unknown location. Man and woman in Spanish, fair (02/02/2008, 00:36). Man and woman in Spanish, good (02/05/2008, 00:36). Men in Spanish, good with synchro echo (03/05/2008, 01:29).

783 UNID. Arabic traditional music, poor (03/12/2008, 00:29).

837 FRANCE, France Info, Nancy. Woman in French, newscast, fair (01/26/2008, 21:30). Man in French then ID "...trois heures trente trois sur France Info", fair (03/06/2008, 02:33). ID "...France Info, il est minuit et seize minutes", fair (03/18/2008, 23:16)

837 SPAIN or CANARY ISLANDS, COPE, Unknown location. Man in Spanish, fair (02/01/2008, 21:39).

855 SPAIN, RNE 1, Unknown location. Soccer game in Spanish, fair (02/03/2008, 21:42). Man in Spanish, fair // with 747 (03/03/2008, 02:46).

864 FRANCE, France Bleu, Paris. ID "France Bleu" with IBOC QRM at 870. Song by Rod Stewart, fair to good (02/05/2008, 00:37). "France Bleu" jingle, fair (02/18/2008, 03:19). Following disco music, jingle "France Bleu", then song in French, fair to good with phaser against IBOC 870 (03/07/2008, 23:51). French song then, ID "France Bleu", fair (03/18/2008, 23:22).

890.96 ALGERIA (prob), Radio Algérienne 1, Alger. Arabic traditional music, fair to good (02/01/2008, 21:45). Arabic traditional music, fair (03/05/2008, 00:38).

909 UNITED KINGDOM, BBC Radio 5 Live, Unknown location. Man in English, fair (12/30/2007, 21:30). Man in English, fair (01/26/2008, 21:31). Man and woman in English, fair (01/31/2008, 00:41). Man in English, poor (02/16/2008, 04:49).

927 BELGIUM, VRT Radio 1, Wolvertem. Man in Dutch, fair (01/26/2008, 21:32). Man in Dutch // 1512, fair (01/27/2008, 21:33).

- 945 FRANCE, France Info, Toulouse. Man and woman in French, good (01/12/2008, 21:55). Woman in French, good (02/03/2008, 21:56). Man in French, poor to good (02/18/2008, 03:17). Man in French, excellent (02/26/2008, 00:31). France weather in French and ID "France Info sports", fair (03/01/2008, 04:09). Man in French, good (03/03/2008, 02:47).
- 954 SPAIN, Onda Cero Radio, Madrid. Man in Spanish, poor to fair (12/30/2007, 02:22). Soccer game with Spanish comments, poor to good mixed with unid (01/26/2008, 21:43).
- 963 PORTUGAL, Radio Renascença, Seixal. Man in Portuguese, fair and mixed with Spain (01/27/2008, 22:16).
- 963 SPAIN, Radio Euskadi, Vitoria. Man in Spanish, fair (03/08/2008, 23:24)
- 972 GERMANY, NDR Info, Hamburg. Man in German, fair (01/26/2008, 21:23).
- 981 ALGERIA (prob.), Radio Algérienne 2, Ouled Fayet. Arabic music, poor (01/20/2008, 21:47). Man in Arabic, fair (02/02/2008, 01:21). Arabic music, poor to fair (02/21/2008, 00:36). Arabic music, fair (03/02/2008, 22:28).
- 999 MOLDOVA, TWR, Grigoriopol. TWR interval signal followed by top of the hour pips, poor (01/01/2008, 21:00).
- 999 MOROCCO (prob), RTM A, Tanger. Arabic traditional music mixed with Spain, poor to good (01/01/2008, 21:36).
- 999 SPAIN, COPE, Madrid. Man and woman in Spanish, good (12/30/2007, 21:15). Man in Spanish about soccer, good (02/03/2008, 21:57).
- 1008 CANARY ISLANDS, Punto Radio, Las Palmas. Man in Spanish, excellent (23:08), ID "Punto Radio" (00:10). (03/08-09/2008)
- 1026 SPAIN, SER, Unknown location. Man and woman in Spanish, fair (02/07/2008, 03:35).
- 1035 PORTUGAL, Rádio Comercial-Rádio Club, Belmonte. Man and woman in Portuguese, good (01/13/2008, 22:30). Woman in Portuguese, fair (01/21/2008, 01:50). Music, poor to good (02/03/2008, 02:06). Man and woman talk in Portuguese, fair to good (02/03/2008, 21:58). Music in Portuguese, fair (03/03/2008, 01:25).

1044 SPAIN, SER, Unknown location. Woman in Spanish, good (03/03/2008, 02:54).

1053 UNID. Arabic traditional music, fair (21/30/2007, 21:16). Arabic music, fair and mixed with Spain (01/20/2008, 21:48).

1089 UNITED KINGDOM, Talksport, Unknown location. Men talk in English, good (01/01/2008, 20:31). English talk about Cuba, phone-in program, excellent, ID "Talksport" (02/22/2008, 22:44-22:49). Woman in English with synchro echo, jingle-ID "Talksport" by a man, poor (03/07/2008, 22:02).

1098 SPAIN, RNE 5, Unknown location. Woman in Spanish, good (03/03/2008, 01:50).

1107 SPAIN, RNE 5, Unknown location. Woman in Spanish, good (01/12/2008, 22:28). Man in Spanish, good (01/18/2008, 23:51). Newscast by a female announcer in Spanish, fair (03/18/2008, 01:03).

1116 SPAIN, SER, Unknown location. Man in Spanish then music, fair to good (02/03/2008, 02:36). Woman in Spanish, fair (03/18/2008, 00:45).

1124.98 BELGIUM (probable), RTBF-Vivacité, Houdeng. Man in French then music, poor to fair (01/02/2008, 20:43). Woman in French, fair. All Northern Europe strong tonight (01/12/2008, 22:02). Song in French, fair (01/19/2008, 00:44).

1134 CROATIA, Hrvatski Radio, Zadar. Slavic sounding music, good (01/30/2008, 03:25). "...You're listening to Croatia today.." program in English, fair (02/18/2008, 03:00). Man in Slavic with Croatia mentions, fair (03/07/2008, 22:05). Man in Spanish speaking of Croatia, fair (03/08/2008, 23:35). Man in Slavic with known between-news-jingle, fair (03/17/2008, 00:15).

1179 SPAIN or CANARY ISLANDS, SER, Unknown location. Woman in Spanish, fair (03/03/2008, 01:53). Man in Spanish, good (03/07/2008, 21:56).

1179 SWEDEN, Radio Sweden International, Sölvesborg. programming in English, poor to good (01/02/2008, 20:04). Man and woman probably in Swedish, good (02/01/2008, 05:16).

1206 FRANCE, France Info, Bordeaux. Woman in French, fair (02/03/2008, 21:44). Man in French, fair (02/16/2008, 04:51). "...Vous écoutez France Info, il est vingt trois heures trente six, voici la météo..." ID with fair signal by a woman (03/02/2008, 22:36). Men in French, good (03/07/2008, 21:53).

1214.65 ALBANIA, China Radio International, Fllakë. Woman probably in Serbian (according to WRTH-EMWG) then Chinese sounding music, fair (01/01/2008, 22:16). Woman in Serbian with reference to Hong Kong, fair (01/27/2008, 22:23-22:36). Woman in Slavic with Chinese sounding music, poor to fair. Logged on 1214.27! (02/22/2008, 22:03-22:18). Woman in Slavic, fair (03/05/2008, 22:32). Woman in ??? then music, fair (03/18/2008, 22:49).

1215 SPAIN, COPE, Unknown location. Soccer game in Spanish, good over VR (01/26/2008, 21:26). Man in Spanish mixed with VR, poor (02/16/2008, 04:52).

1215 UNITED KINGDOM, Virgin Radio, Unknown location. Rock music in English, good (02/03/2008, 05:35). English rock music over Spain, good (02/18/2008, 02:46). Rock in English over Spain, fair (03/07/2008, 23:35).

1269 GERMANY, Deutschlandfunk, Neumünster. Man in German, fair to good // with 756 (02/23/2008, 22:50).

1287 SPAIN, SER, Unknown location. Woman in Spanish, poor (03/03/2008, 02:54).

1295.98 UNID. Man in Arabic, poor (03/01/2008, 04:03).

1305 SPAIN, RNE 5, Unknown location. Man in Spanish, fair (02/06/2008, 21:44).

1341 UNITED KINGDOM, BBC Radio Ulster, Lisnagarvey. Between two rock songs, ID "...BBC Radio Ulster", poor to fair (01/02/2008, 20:19). Man in English, poor to fair (02/22/2008, 04:06).

1359 SPAIN, RNE 1, Madrid. Woman in Spanish with ID "...a través de Radio Uno...", fair (02/02/2008, 00:39). Men and woman in Spanish, good (02/07/2008, 03:40).

1377 FRANCE, France Info, Lille. Man in French, excellent (01/30/2008, 03:26). "...RFI-France Info" ID then newscast by a woman in French, fair then faded out rapidly (02/17/2008, 02:19). Woman in French, newscast, good (02/22/2008, 22:20). Newscast from SRC (Radio-Canada French), good (02/23/2008, 00:15). Newscast in French by a woman, poor to fair (02/24/2008, 03:06). Man in French, newscast, excellent (03/04/2008, 00:32)

1394.82 ALBANIA, TWR, Fllakë. Man in Slavic, fair (12/29/2007, 21:04). Man in Slavic, good (12/30/2007, 21:36). Man in ???, fair with TWR interval signal (02/03/2008, 21:45). Interval signal, poor (02/06/2008, 20:15).

1395 NETHERLANDS (probable), The Big L, Trintelhaven. Music in English, poor to fair (12/30/2007, 01:26). Music in English followed by man in English, poor (02/22/2008, 04:11).

1404 FRANCE, UNID. Woman in French, poor to fair (02/07/2008, 02:47).

1422 ALGERIA (probable), Radio Algérienne, Ouled Fayet. Man in French followed by techno music, good (01/31/2008, 00:05). Man and woman in Arabic, good (02/01/2008, 21:28). Man in Arabic, poor to fair (02/06/2008, 21:45). Man and woman in French with mentions of Africa, good (03/03/2008, 01:54).

1422 GERMANY, Deutschlandfunk, Heusweiler. Classical music, good (02/07/2008, 02:48).

1431 DJIBOUTI, Radio Sawa, Arta. Arabic pop music, poor to fair (12/23/2007, 02:24). Arabic pop music, fair (12/27/2007, 02:50). "Radio Sawa" ID by a woman followed by brief news in Arabic by a man, fair (01/08/2008, 21:45). Arabic pop music, "Radio Sawa" ID, fair. Poor MW conditions that night. Transmitter dawn enhancement (01/17/2008, 02:58). Arabic music, poor to good, ID "Radio Sawa", poor to good (01/30/2008, 03:28). Man in Arabic, poor to fair (02/22/2008, 22:19). ID "Radio Sawa" by a man, fair (03/04/2008, 00:32).

1449 LIBYA (probable), Libyan Jamahiriya Broadcasting Corp. Misurata. Man in Arabic and Arabic traditional music, fair (12/29/2007, 21:03-21:26). Men in Arabic, fair to good (12/30/2007, 21:38). Arabic music, fair (01/08/2008, 21:47). Woman in Arabic followed by Arabic music, fair (01/22/2008, 20:52). Woman in Arabic then Arabic music, fair to good (01/27/2008, 21:31). Arabic traditional music, good (02/01/2008, 21:26). Koranic chant, poor to fair (03/07/2008, 23:37).

1467 FRANCE, TWR, Roumoules. Man in English with mentions of God, poor to fair (02/16/2008, 22:10). Man and Woman in ???Arabic?, fair (03/05/2008, 22:06). Man in English with God mentions, fair (03/16/2008, 23:27).

1485 SPAIN, UNID. Men in Spanish, poor to fair (01/30/2008, 03:35). Man in Spanish, fair (02/01/2008, 21:26). Woman in Spanish, poor (02/16/2008, 04:54). Man in Spanish, good (03/05/2008, 22:25).

1503 SPAIN, RNE 5, Unknown location. Man and woman in Spanish, poor (03/07/2008, 03:54).

1512 BELGIUM, Radio Vlaanderen Internationaal, Wolvertem. Man in Dutch, fair (12/28/2007, 06:23). Music in English, fair to good (12/29/2007, 20:55). Woman in Dutch followed by music, fair (01/02/2008, 21:14). Music then man in Dutch followed by more music, strong (01/08/2008, 21:52). Rock music followed by woman in Dutch, good (02/01/2008, 05:09). Man in Dutch, poor to good (02/17/2008, 22:31). English pop music then probably ID in Dutch by a woman, fair (02/23/2008, 23:00).

1521 SAUDI ARABIA, BSKSA, Duba. Very regular. Arabic music, strong (01/08/2008, 21:57). Man and woman in Arabic, excellent (01/30/2008, 00:31). Koranic chant, fair (03/03/2008, 02:49). Arabic traditional music, good (03/05/2008, 22:28). Man in Arabic with several Allah mentions, good (03/06/2008, 01:29) Listen: http://www.quebecdx.com/saudi_arabia_1521.mp3

1557 FRANCE, France Info, Nice. Man in French, ID "France Info" by a woman, poor to good (02/07/2008, 02:50).

1548 KUWAIT, Radio Sawa, Kuwait City. Arabic pop music, fair to good (12/31/2007, 01:37). Arabic pop music, good (01/10/2008, 01:27). Arabic music, ID "Radio Sawa", good (01/31/2008, 00:41). Arabic music then English music followed by man voice in English + ID "Radio Sawa", good (03/01/2008, 02:58-03:04). Man in Arabic with Hollywood mention then ID "Radio Sawa", good (03/06/2008, 01:02).

1566 BENIN, TWR, Parakou. ID "Trans World Radio" in English by a man, poor (02/16/2008, 04:59). Soft instrumental music followed by Gospel in English, religious program in English "Rendez-vous" is fitting with the TWR schedule, fair to excellent. Listen: http://www.quebecdx.com/benin_twr1.mp3 (03/01/2008, 03:05-03:33). African music then man in ??? (African language) followed by more African music, fair (03/07/2008, 04:00).

1575 SPAIN, SER, Unknown location. Man in Spanish, nothing to good (02/03/2008, 02:27)

1575 UNITED ARAB EMIRATES, Radio Farda, Al Dhabiya. Arabic music, fair (01/08/2008, 22:04). Music by Madonna followed by "Radio Farda" ID, poor (03/08/2008, 02:16).

1602 SPAIN, SER, Unknown location. Man in Spanish followed by music. Parralel with 1575, barely audible to good (02/03/2008, 02:30).

Sylvain Naud
Portneuf, Quebec
CANADA

Perseus SDR (Since last May)
Icom ICR75 with LF mods
228 meters (750 feet) terminated beverage towards Africa (88 degrees)
289 meters (950 feet, winter seasonal) terminated beverage towards Europe (55 degrees)
106 meters (350 feet) unterminated beverage NE-SW (28-208 degrees)
Homebrew K9AY with vactrol
T2FD cut for 90m band
Two 30 meters (100 feet) long wire
Homebrew remote wire antenna switcher
DX Engineering RPA-1 HF preamplifier
MFJ-1026 phaser with LF mods