

Mappe di Intensità di Polarizzazione a
1415 e 5000 MHz
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LRA-24/78

Vengono presentate le mappe di intensità di polarizzazione di due campioni completi e omogenei di radiogalassie osservate a Westerbork.

Il primo campione è costituito da radiosorgenti del catalogo B2 identificate con galassie del catalogo di Zwicky il cui limite ottico è dato da $m_{pg} \leq 15.7$ (magnitudine fotografica). Il limite radio è quello del catalogo B2, cioè $S \geq 0.20$ Jy o $S \geq 0.25$ Jy a 408 MHz a seconda delle varie parti del catalogo stesso.

Le osservazioni di polarizzazione sono state effettuate sia a 1415 che a 5000 MHz. Si è preferito ridurre i dati relativi a quelle radiosorgenti di cui si hanno solamente da 3 a 5 osservazioni per diversi angoli di posizione, ciascuna per un tempo non inferiore a 10 minuti.

Il secondo campione è praticamente un'estensione del precedente ed è costituito da galassie ellittiche non appartenenti al catalogo di Zwicky con magnitudine visuale compresa tra $14.6 \leq m_v \leq 16.5$, identificate con radiosorgenti del catalogo B2. Il limite radio è quello del catalogo stesso, cioè $S_{408} \geq 0.25$ Jy. Di questo secondo campione abbiamo solo le osservazioni a 1415 MHz. Per la descrizione delle osservazioni radio fatte a Westerbork e la riduzione dei dati si vedano gli articoli di Fanti et al. (1977, *Astron. Astrophys. Suppl.*, 29, 279) e Fanti et al. (1978

Nella tabella I vengono dati i parametri a 1415 MHz e nella tabella II quelli a 5000 MHz, entrambi relativi al primo campione.

Colonna 1: nome della radiosorgente secondo il catalogo B2.

" 2: componenti radio.

" 3: flusso in mJy a 1415 MHz.

" 4 e 5: valori integrati dei parametri di Stokes U e Q.

" 6: valore integrato dell'intensità di polarizzazione lineare $P = \sqrt{U^2 + Q^2}$.

" 7: errore associato all'intensità di polarizzazione calcolato con la seguente formula $\Delta P = 1.2 \times \frac{\sigma \times \sqrt{N}}{\text{area beam}}$

dove

σ = rumore in mJy calcolato sulla mappa V.

N = numero di punti della componente polarizzata utilizzata per il calcolo della P integrata.

Colonna 8: valore percentuale di P calcolato come P/S.

Colonna 9: angolo di posizione del vettore campo elettrico.

Le tabelle II e III forniscono rispettivamente i parametri a 5000 MHz relativi al primo campione ed a 1415 MHz relativi al secondo campione.

A fianco di ciascuna mappa di polarizzazione viene mostrata la corrispondente mappa di intensità di flusso. La posizione ottica della galassia è indicata in entrambe con una croce. I livelli di contorno del flusso sono in generale multipli interi di un valore dato. La L disegnata nell'angolo sinistro in basso in ciascuna mappa rappresenta la semiampiezza a metà potenza del fascio del Radiotelescopio di Westerbork nelle direzioni N-S ed E-O

Una discussione sulla polarizzazione e sulle sue proprietà relativa a questi dati verrà pubblicata in seguito insieme ad altri autori.

TABELLA I

1415 MHz

Nome	C	S	U	Q	P	ΔP	%	θ
0056+26	A	800	-2.8	14.8	15.5	2.6	< 2	
	B	810	2.6	-1.3	2.9	2.4	< 2	
	C	90	1.8	0	1.8	1.4	< 8	
0055+30	A	1000	3.2	9.8	10.3	1.9	< 2	
	B	70	-2.4	5.1	5.6	1.2	< 8	
0149+35	A	30	1.7	-1.0	2.0	.9	<15	
	B	90	-1.7	-.2	1.7	1.1	< 6	
	C	57	.8	.7	1.1	.9	< 8	
0206+35	A	2100	-22.4	71.4	74.8	3.9	4	-12°
0755+37	A B	>2200	-75.4	-46.2	88.3	2.6	4	-56°
0800+24	A	124	8.6	3.2	9.2	3.0	<12	
	B	40	1.0	2.7	2.9	1.3	<16	
0836+29	A B	530	-8.6	-23.6	25.1	2.2	5	-80°
	A	85	-4.2	4.4	6.1	1.3	≤ 7	
0915+32	B	205	-6.6	6.1	9.0	1.3	≤ 4	
	C	130	4.0	0.8	4.1	1.3	< 5	
	*E	767	-4.9	3.9	6.3	2.0	< 2	
1102+30	A	150	-4.8	-7.9	9.3	3.0	≤ 10	-70°
	B	245	-5.8	-26.6	27.2	3.7	8	96°
1108+27	A B	100	3.5	-7.2	8.0	1.4	8	71°
	A	1200	-40.2	-50.4	64.5	3.0	5	-68°
1113+29	B	640	-10.5	19.5	22.2	3.0	3	-18°

Nome	C	S	U	Q	P	ΔP	%	θ
1317+33	A	77	-2.7	1.0	2.8	1.4	< 9	
1322+36	A B	860	22.0	43.1	48.4	3.1	6	13°
1346+26	A	890	3.6	1.5	3.9	3.9	< 2	
1525+29	A	160	.8	-.8	1.1	2.0	< 6	
1553+24	*E	140	2.3	-1.0	2.5	1.4	< 4	
1855+37	A	55	-1.0	-.8	1.3	1.5	<13	
2116+26	*E	< 140	-9.0	-.8	9.0	1.8	≥ 6	
2236+35	A B	343	18.1	36.4	40.7	2.0	12	10°

* E = Componente estesa

T A B E L L A II 5000 MHz

Nome	C	S	U	Q	P	ΔP	%	θ
0206+35	A	970	-40.1	40.7	57.1	7.7	6	-63°
0800+24	A	65	1.6	-1.9	2.5	1.3	<10	
	B	18	-0.5	-0.5	0.5	0.5	<13	
0836+29	A	253	0.0	-14.7	14.7	2.8	< 6	
	B							
1040+31	* E	380	2.2	-4.7	5.1	4.7	< 6	
1102+30	A	60	5.8	0	5.8	2.1	<17	37°
	B	69	6.8	-17.8	19.1	2.6	28	79°
1113+29	A	500	1.9	-25.0	25.1	4.2	5	84°
	B	300	13.5	-6.0	14.8	3.3	5	54°
1317+33	A	34	2.7	0.6	2.8	1.1	<16	
1322+36	A	172	4.3	12.1	12.8	2.5	7	5°
	B	150	8.1	0.8	8.1	1.8	5	43°
1525+29	A	99	-0.2	3.3	3.3	2.1	<10	
2116+26	* E	45	7.7	0.5	7.7	1.2	17	
2236+35	A	103	16.2	7.7	17.9	1.6	17	33°
	B	87	8.7	2.1	9.0	1.8	10	40°

T A B E L L A III

1415 MHz

Nome	C	S	U	Q	P	ΔP	%	θ
0708+32A	A	67	.16	.16	.24	2.0	<15	
0828+32	A	1000	-59.8	-12.6	61.1	5.2	6	-79
	B	682	-83.4	50.5	97.7	4.3	14	-50
0836+29	A	245	4.3	2.5	5.0	1.2	< 5	
	B	187	8.0	7.4	10.9	1.7	< 8	
	C	229	-9.8	6.6	11.8	1.4	< 7	
	D	147	4.3	-4.9	6.5	.9	< 5	
0838+32	A	530	-9.1	8.7	12.6	1.1	< 3	
	B	70	1.9	1.4	2.3	1.2	< 9	
	C	67	-1.4	.5	1.5	1.0	< 9	
0843+31	A	59	1.9	-.6	2.0	1.7	<14	
	B	70	-5.6	10.2	11.6	1.8	<17	
0908+37	A	590	-2.2	-15.4	15.6	2.4	- 3	-86
0913+38	A	297	-26.9	2.3	27.0	2.6	9	-43
0922+36	A	350	-2.8	-1.7	3.3	3.8	< 6	
	B	190	-2.5	.6	2.6	3.5	<10	
1003+26	A	58	3.1	.8	3.2	2.2	<20	
1005+25	A	30	.7	1.5	1.6	1.8	<30	
	B	30	4.4	1.3	4.6	1.9	<30	
1037+30	A	370	-1.6	6.9	7.1	2.1	< 4	
1113+24	A	40	1.6	4.9	5.2	1.6	<13	
1116+28	A	116	-9.8	1.4	9.9	2.8	< 8	
	B	192	-1.0	-8.9	8.9	2.6	< 8	
	C	165	5.1	-4.6	6.8	2.9	< 9	

Nome	C	S	U	Q	P	ΔP	%	θ
1141+37	A	840	-21.1	-22.4	30.7	2.9	4	-65°
	B	968	24.3	-9.3	26.0	2.1	3	52
1204+24	A	105	-.9	-3.9	4.0	1.6	< 8	
1204+34	A	448	-9.5	-12.8	15.9	1.9	4	-69°
	B							
1225+26	A	38	-5.1	6.4	8.2	2.3	<30	
	B	85	-5.5	2.2	5.9	2.3	<14	
1243+26	A	162	-1.9	7.4	7.6	2.8	< 9	
	B	180	5.5	-4.2	6.9	2.9	< 8	
1303+31	A	70	.5	-1.3	1.4	1.4	<10	
1339+26	A	300	4.0	1.0	4.1	2.1	< 4	
1347+28	A	210	4.4	1.5	4.7	1.5	< 5	
1357+28	A	256	3.2	-4.1	5.2	2.8	< 6	
1358+28	A	230	-1.0	-11.9	12.0	1.8	< 5	
1430+25	A	460	-4.2	-3.	4.2	2.1	< 4	
1441+26	A	110	4.7	6.9	7.7	1.6	< 7	8°
	B	40	2.7	2.9	3.9	1.1	<13	
	C	124	1.0	17.6	20.2	1.5	16	17°
1447+27	A	44	-3.1	.3	3.1	1.2	<14	
	B	92	.6	2.9	2.9	1.7	<10	
1450+28	A	150	-1.0	.8	1.3	1.2	< 5	
1455+28	A	425	-6.0	11.0	12.5	5.3	< 6	
	B	400	-2.7	-5.1	5.8	4.9	< 6	

Nome	C	S	U	Q	P	ΔP	%	θ
1457+29	A	290	22.7	37.4	43.8	1.6	15	15°
1512+30	A	51	2.8	5.2	5.9	1.4	<14	
	B	60	-1.0	2.0	2.2	1.4	<11	
1521+28	A	310	.7	12.2	12.2	3.6	<6	
	B	310	-15.2	35.	38.2	2.8	12	
1527+30	A	72	-.5	-6.4	6.4	2.4	<17	
	B	61	-5.5	-1.1	5.2	2.2	<18	
1528+29	A	90	-2.7	-6.0	6.6	2.5	<14	
	B	60	3.2	-4.7	5.7	2.1	<20	
1555+30	A	198	-8.8	6.0	10.6	1.8	< 5	
	B	79	5.3	-4.7	7.1	1.6	<10	
1557+26	A	150	-1.6	-1.3	2.1	1.6	< 6	
1609+31	A	143	9.0	9.0	12.8	1.9	9	
1613+27	A	194	-.16	1.61	1.6	2.0	< 6	
1637+29	A	216	5.5	12.3	13.5	1.9	≈-6	12°
	B	90	3.5	-.8	3.6	2.1	<12	
1638+32	A	300	-6.1	7.7	9.8	1.9	< 4	
1643+27	A	48	-0.5	-1.8	1.8	1.6	<16	
	B	52	2.4	-.6	2.5	1.5	<16	
1658+30	A	148	8.1	-21.1	22.6	2.0	15	
	B	209	-2.7	-13.7	13.9	1.8	7	
	C	189	-18.5	-1.9	18.6	2.3	10	
1658+32	A	208	-8.8	-2.2	9.1	3.2	< 8	
1736+32	A	234	-5.8	-7.7	9.7	2.1	< 5	

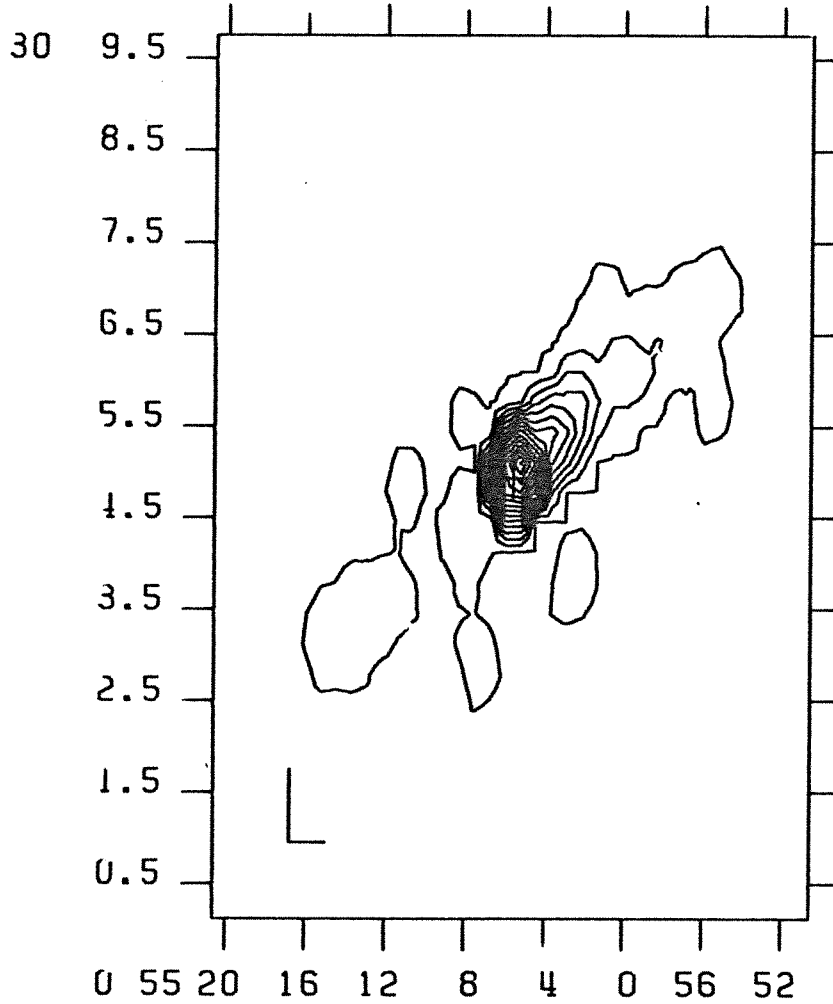
Nome	C	S	U	Q	P	ΔP	%	θ
1747+30	A	51	.6	2.1	2.2	1.5	<16	
1752+32	A	103	-2.7	9.4	9.7	1.8	≤ 9	
1827+32	A	43	.3	7.9	7.9	2.2	<26	
	B	163	1.9	7.4	7.7	3.3	<10	
	C	83	4.4	6.8	8.3	2.7	<16	

PRIMO CAMPIONE

WS62 e WT62 mappe a 1415 MHz

WS49 e WS40 mappe a 5000 MHz

CONT.LEV.10+40 MJY 005530



WS62.005530

0 55 5.6 30 4 56.0 5MAX=574.8M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

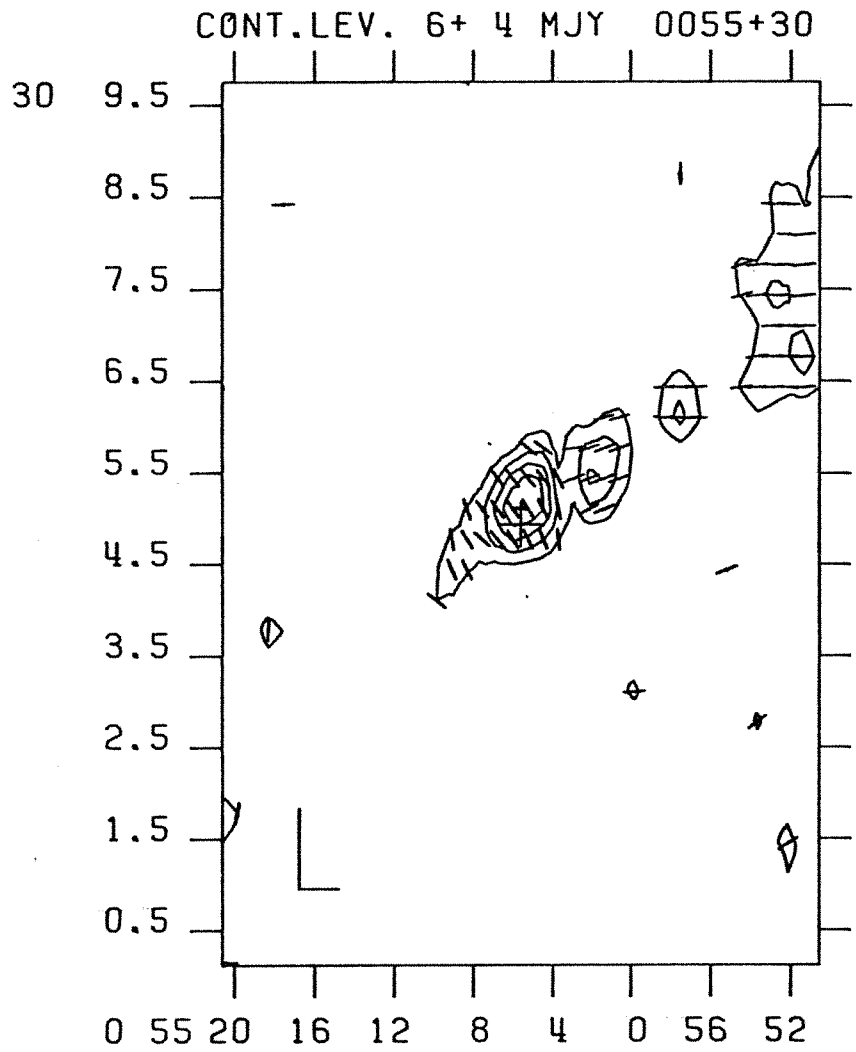
CONT.LEV.= (10.0 50.0 90.0 +40 M.F.U.

TAPER= 0.0 BEAM= (24.0X47.9) NOISE (1XR.M.S.)= 0.6 M.U.

USN= 0055+30

0. SJETA.

CLEAN



WS62.005530

0 55 5.6 30 4 56.0 SMAX=22.2 M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

CONT.LEV.= (6.0 10.0 14.0 +4) M.F.U.

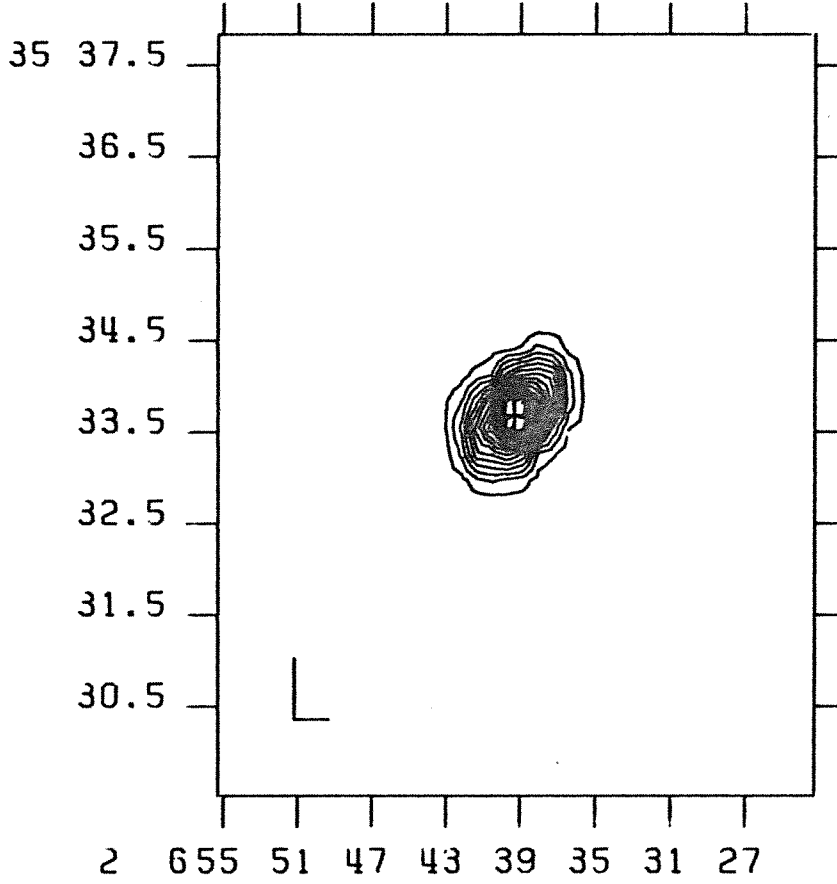
TAPER= 0.0 BEAM= (26.6X53.1) NOISE (1XR.M.S.)= 0.6 W.U.

DSN=0055+30

0. SUBTR.

CLEAN

CONT.LEV.40+50 MJY 020635



WS62.020635

2 6 39.3 35 33 41.0 SMAX=792.3M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

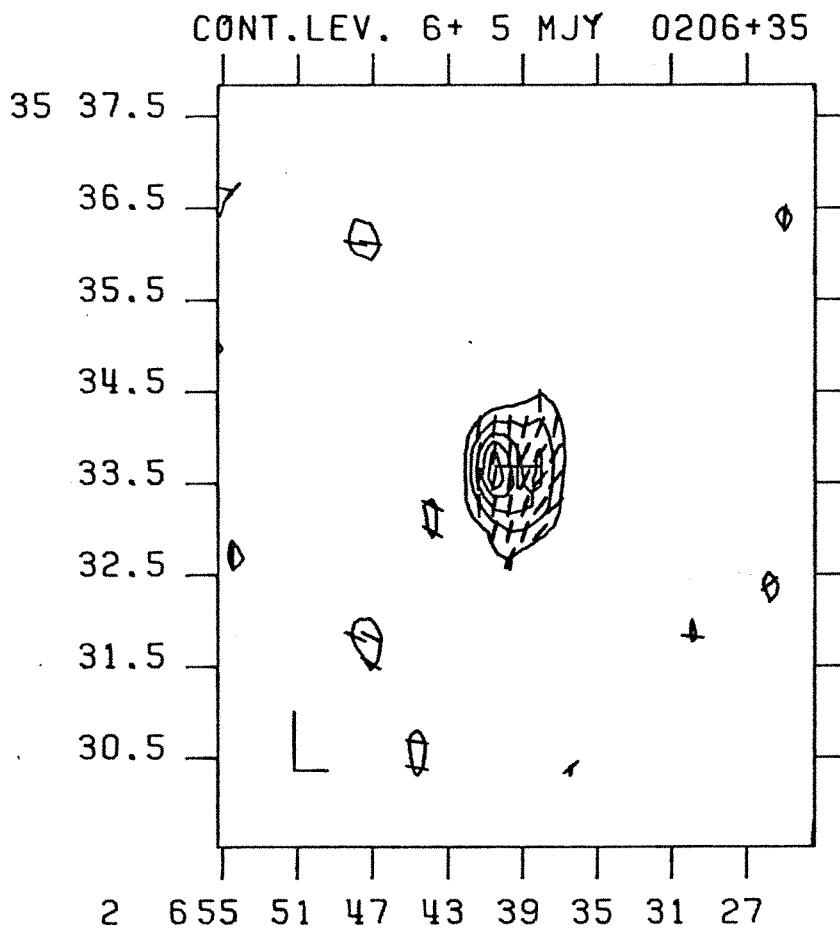
CONT.LEV.= (40.0 90.0 140.0+50 M.F.U.

TAPER= 20.0 BEAM= (23.1X39.7) NOISE (1XR.M.S.)= 0.8 M.U.

USN= 0206+35

0. SUBT1.

CLEAN



WS62.020635

2 6 39.3 35 33 41.0 SMAX=30.7 M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

CONT.LEV.= (6.0 11.0 16.0 +5) M.F.U.

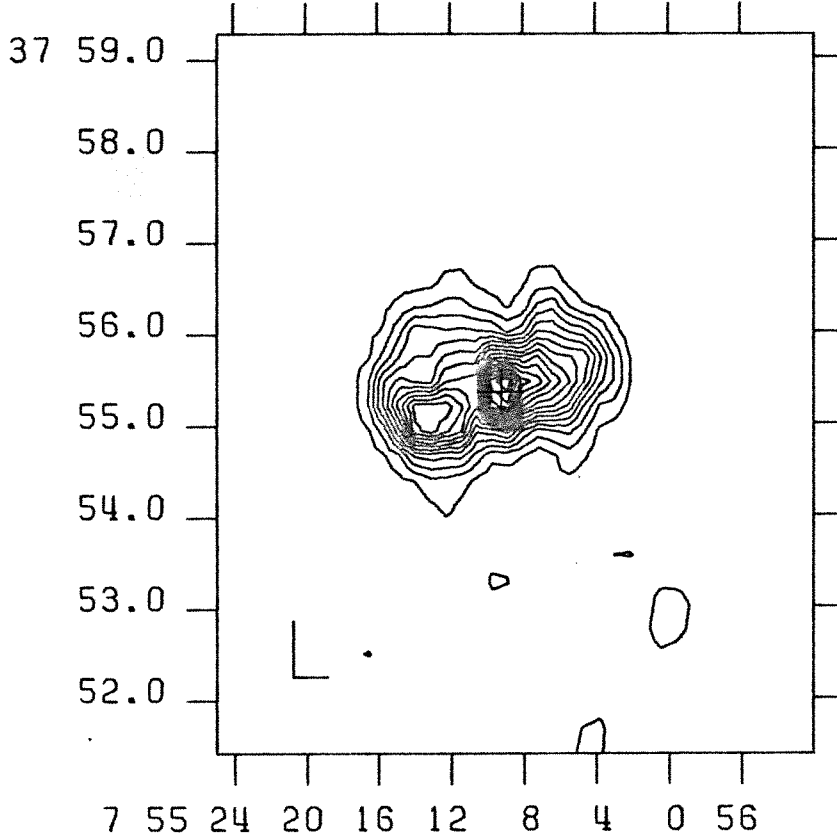
TAPER= 20.0 BEAM= (22.6X38.9) NOISE (1XR.M.S.)= 0.8 W.U.

DSN=0206+35

0. SUBTR.

CLEAN

CONT.LEV.20+20 MJY 075537



WS62.075537

7 55 60.0 37 55 22.0 SMAX=402.6M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

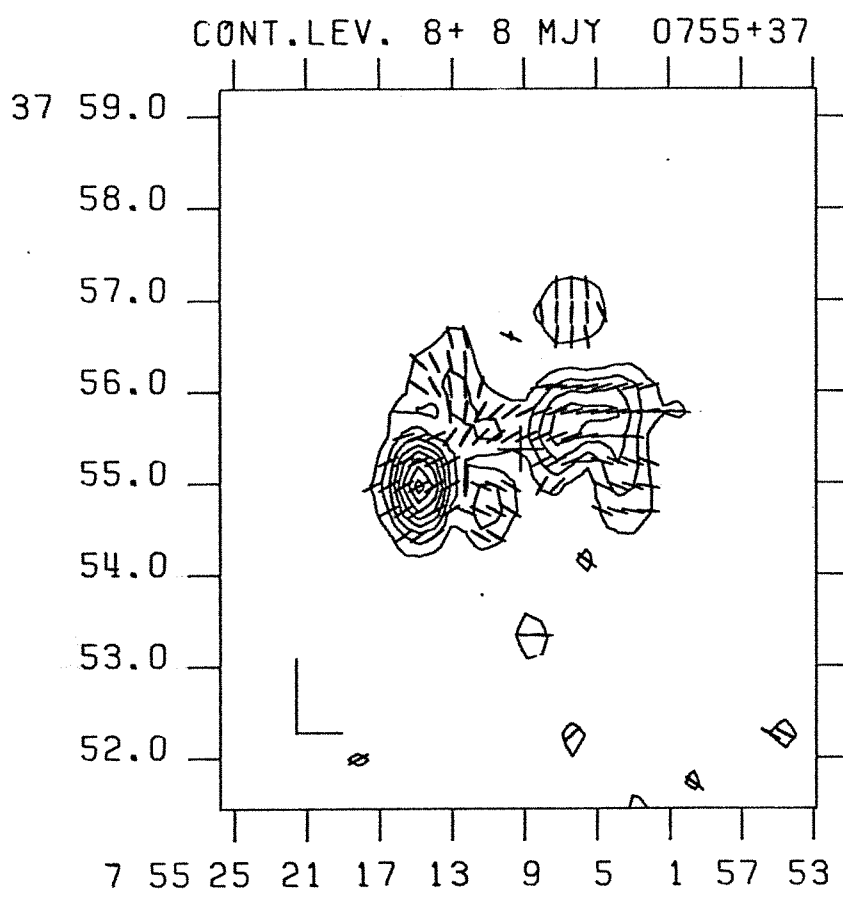
CONT.LEV.=(20.0 40.0 60.0 +20M.F.U.

TAPER= 20.0 BEAM=(23.0X37.4) NOISE (1XA.M.S.)= 0.7 M.U.

OSN= 0755+37

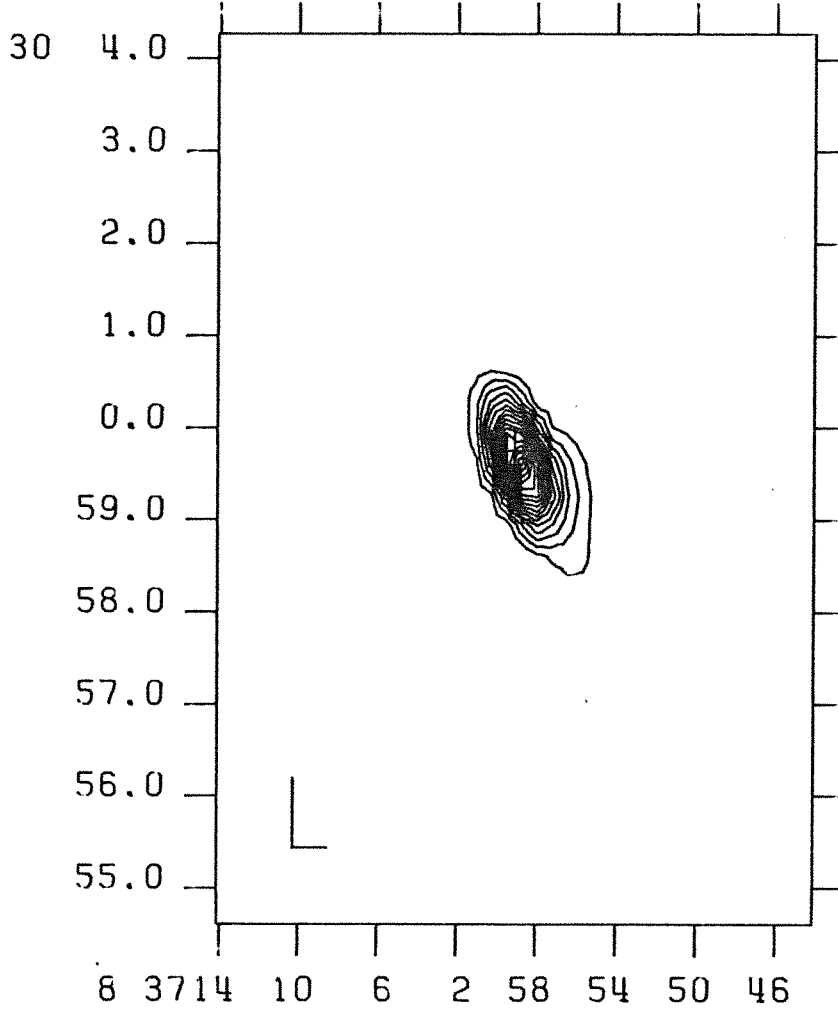
0. SUBTR.

CLEAN



WS62.075537 7 55 9.3 37 55 22.0 SMAX=68.6 M.F.U.
 1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC
 CONT.LEV.= (8.0 16.0 24.0 +8) M.F.U.
 TAPER= 23.0 BEAM= (30.2X49.2) NOISE (1XR.M.S.)= 0.7 W.U.
 DSN=0755+37 0. SUBTRA. *CLEAN*

CONT.LEV.15+15 MJY 083629



WS62.083629

8 36 59.1 29 49 45.0 SMAX=241.6M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

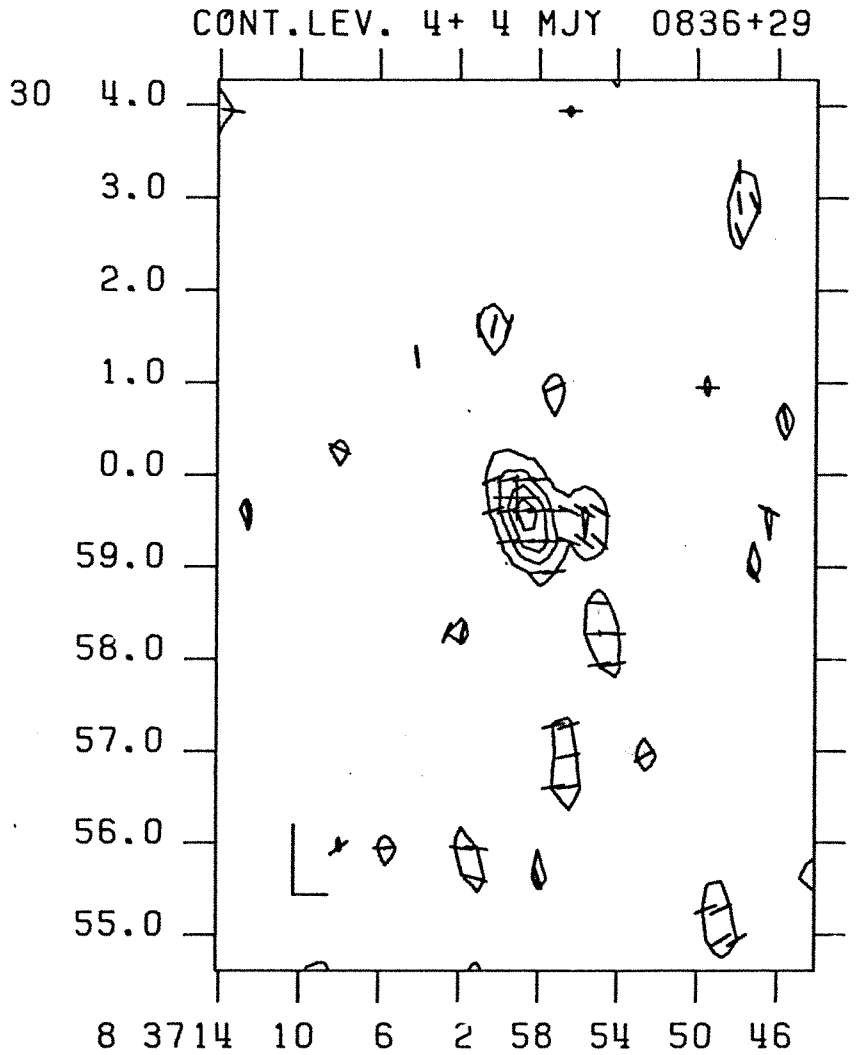
CONT.LEV.= (15.0 30.0 45.0 +19M.F.U.

TAPER= 20.0 BEAM= (22.8X45.8) NOISE(1XR.M.S.)= 0.7 W.U.

DSN= 0836+29

0. SUBTR.

CLEAN



WS62.083629

8 36 59.1 29 49 45.0 SMAX=19.5 M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

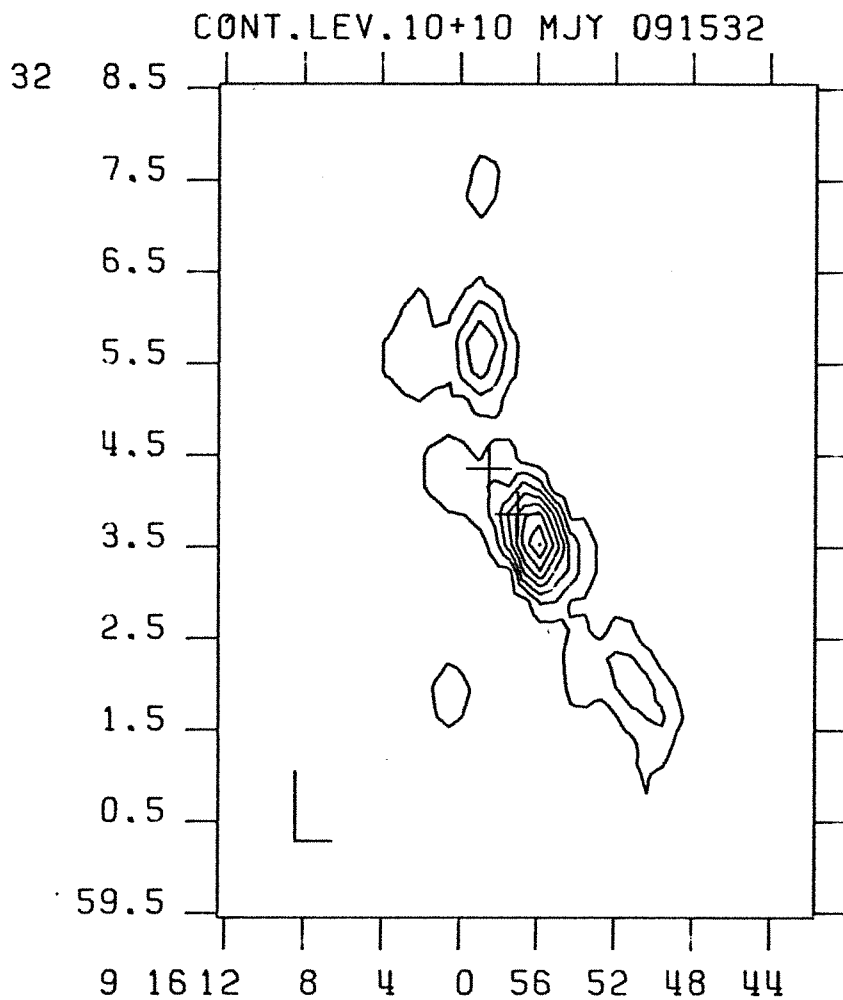
CONT.LEV.= (4.0 8.0 12.0 +4) M.F.U.

TAPER= 20.0 BEAM= (22.6X45.8) NOISE (1XR.M.S.)= 0.7 W.U.

OSN=0836+29

0. SUBTR.

CLEAN



WS62.091532

9 15 57.0 32 3 60.0 SMAX=80.5 M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

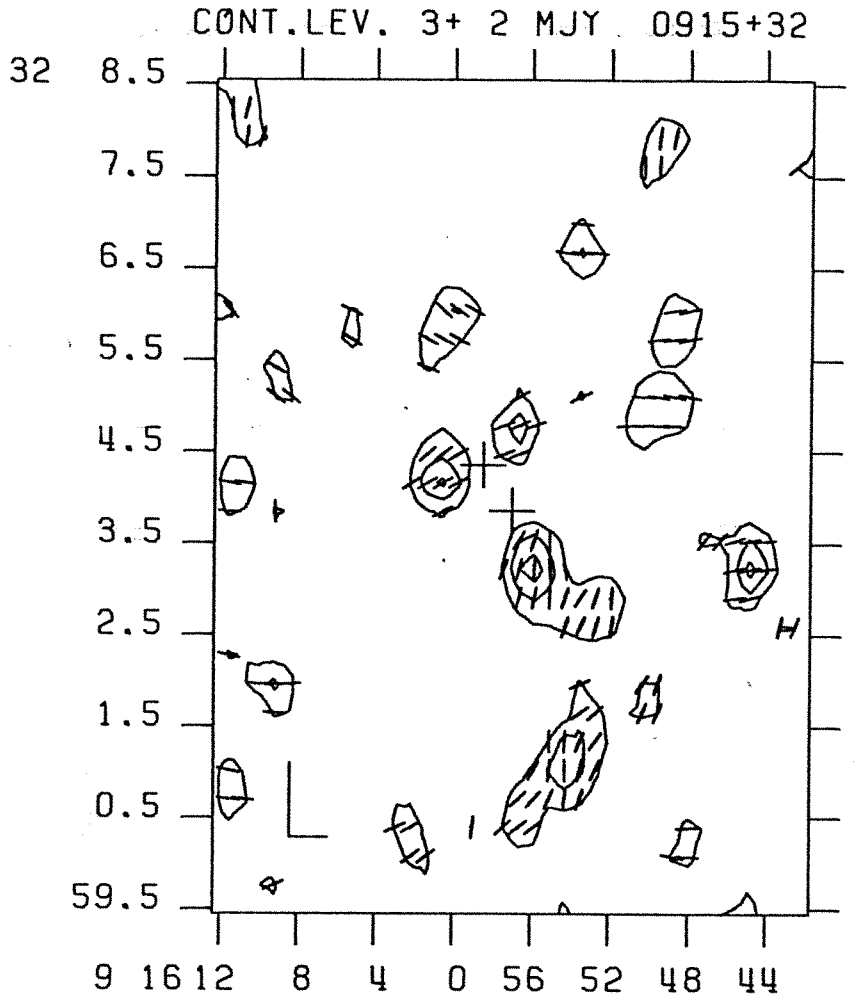
CONT.LEV.= (10.0 20.0 30.0 +10 M.F.U.

TAPER= 0.0 BEAM= (24.6X16.3) NOISE(1XR.M.S.)= 0.6 W.U.

OSN= 0915+32

0. SUBTR.

CLEAN



WS62.091532

9 15 57.0 32 3 60.0 SMAX=8.2 M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

CONT.LEV.= (3.0 5.0 7.0 +2) M.F.U.

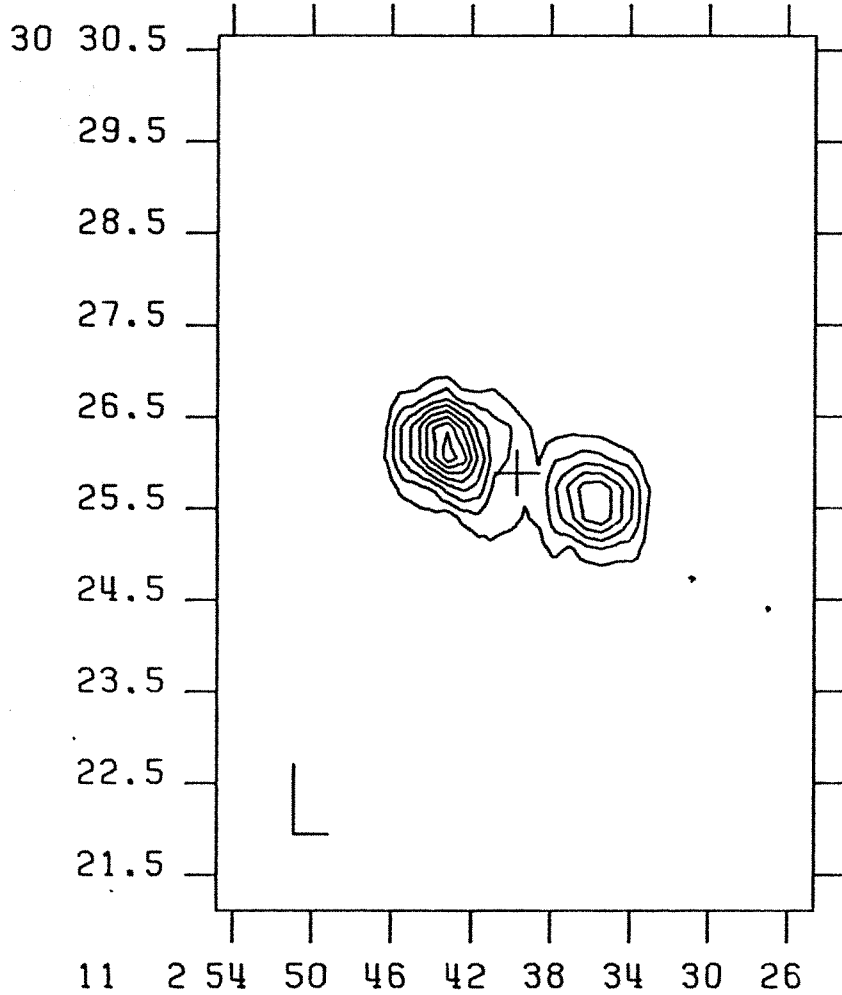
TAPER= 0.0 BEAM= (26.1x49.2) NOISE (1XR.M.S.)= 0.6 W.U.

OSN=0915+32

0. SUBTR.

CLEAN

CONT.LEV.10+10 MJY 110230



WT62.110230

11 2 39.7 30 25 53.0 SMAX=86.0 M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

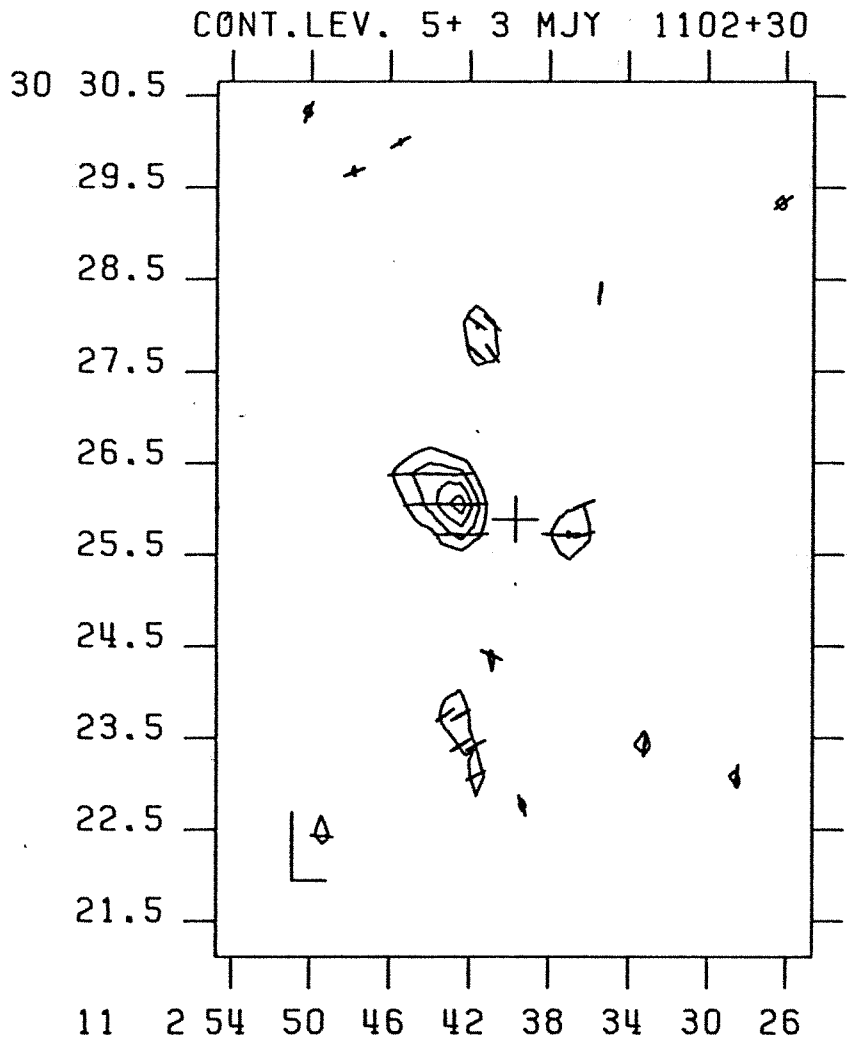
CONT.LEV.= (10.0 20.0 30.0 +10 M.F.U.

TAPER= 20.0 BEAM= (23.2X45.8) NOISE (1XR.M.S.)= 0.6 W.U.

DSN= 1102+30

0. SUBTR.

CLEAN



WT62.110230

11 2 39.7 30 25 53.0 SMAX=16.0 M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

CONT.LEV.= (5.0 8.0 11.0 +3) M.F.U.

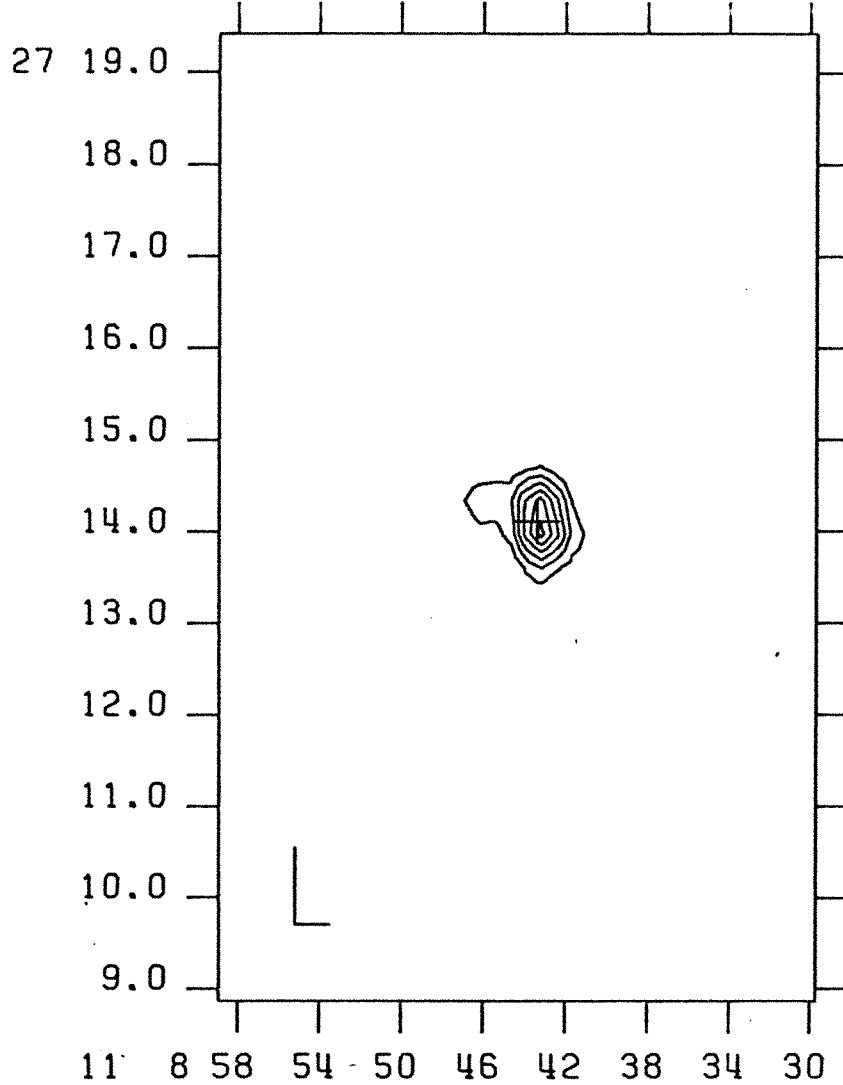
TAPER= 20.0 BEAM= (22.8X45.0) NOISE (1XR.M.S.)= 0.6 W.U.

DSN=1102+30

0. SUBTR.

CLEAN

CONT.LEV.10+10 MJY 110827



WS62.110827

11 8 44.3 27 14 8.9 SMAX=63.5 M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

CONT.LEV.= (10.0 20.0 30.0 +10M.F.U.

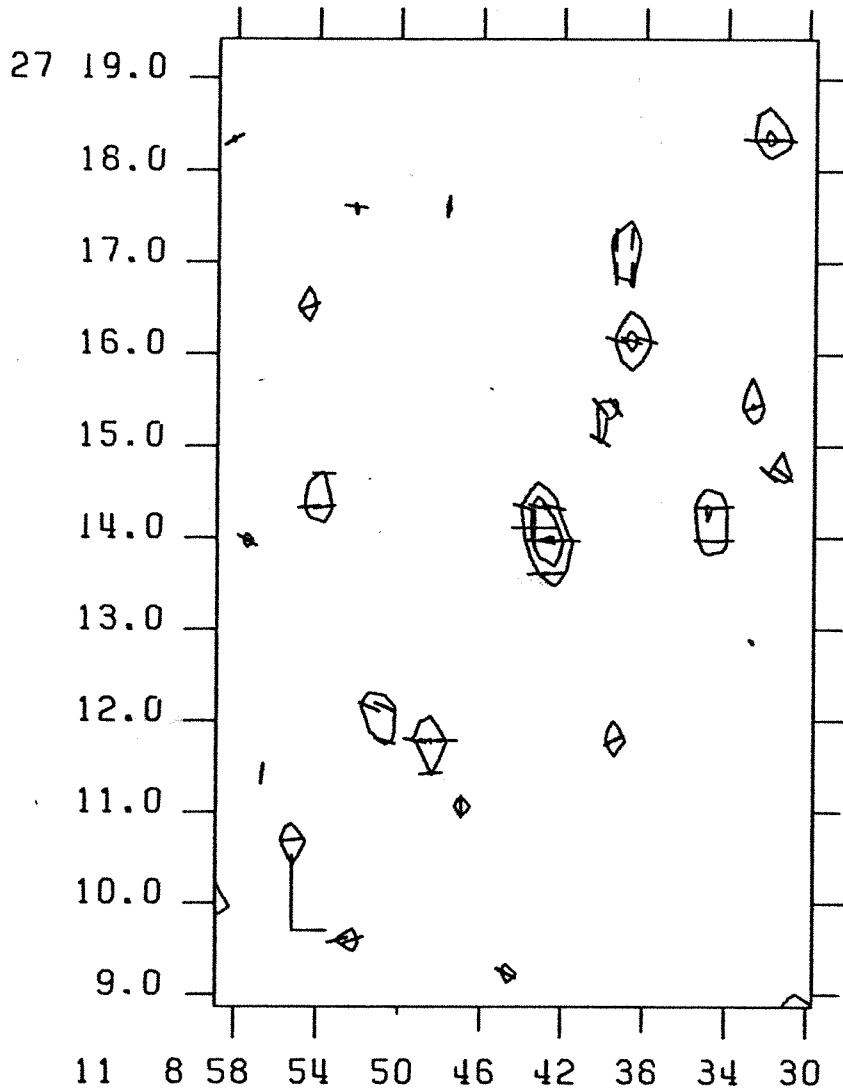
TAPER= 20.0 BEAM= (23.1X50.6) NOISE (1XR.M.S.)= 0.7 W.U.

OSN= 1108+27

0. SUBTR.

CLEAN

CONT.LEV. 4+ 2 MJY 1108+27



WS62.110827

11 8 44.3 27 14 8.9 SMAX=8.3 M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

CONT.LEV.= (4.0 6.0 8.0 +2) M.F.U.

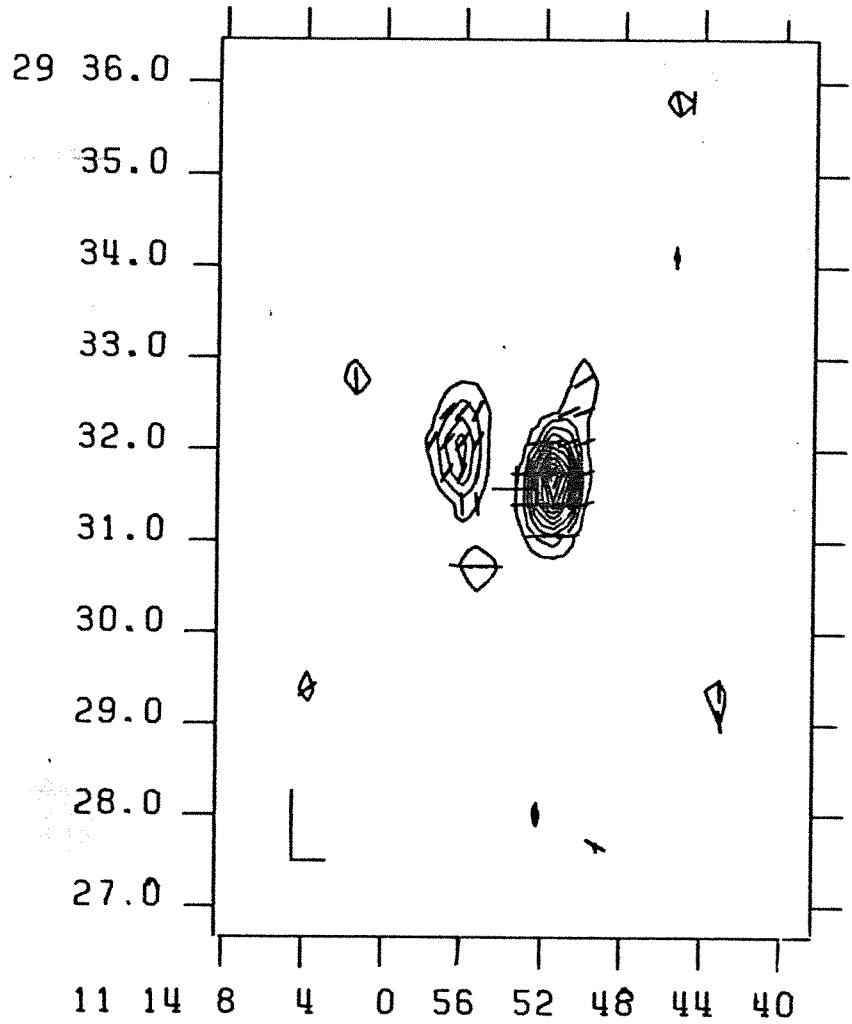
TAPER= 20.0 BEAM= (22.9X50.1) NOISE (1XR.M.S.)= 0.7 W.U.

DSN=1108+27

0. SUBTH.

CLEAN

CONT.LEV. G+ 5 MJY 1113+29



WT62.111329

11 13 53.4 29 31 34.0 SMAX=56.4 M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

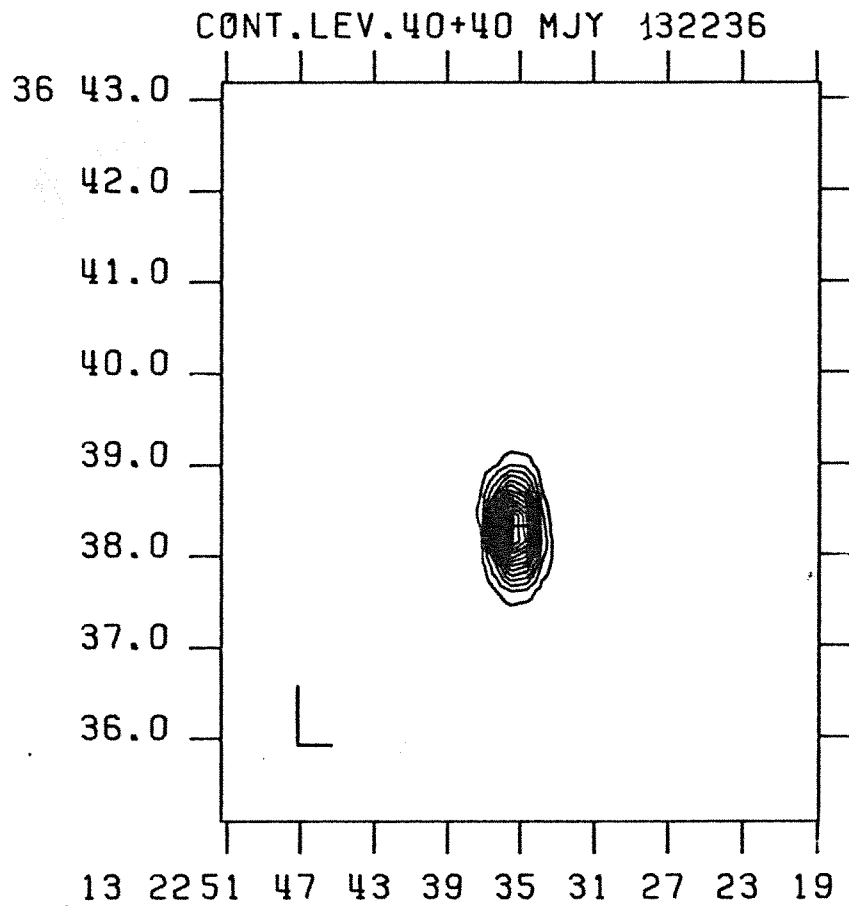
CONT.LEV.= (C.0 11.0 16.0 +5) M.F.U.

TAPER= 20.0 BEAM= (22.6X46.2) NOISE (1XR.M.S.)= 0.7 W.J.

OSN=1113+29

0. SUBTR.

CLEAN



WS62.132236

13 22 60.0 36 49 60.0 SHAX=539.2M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

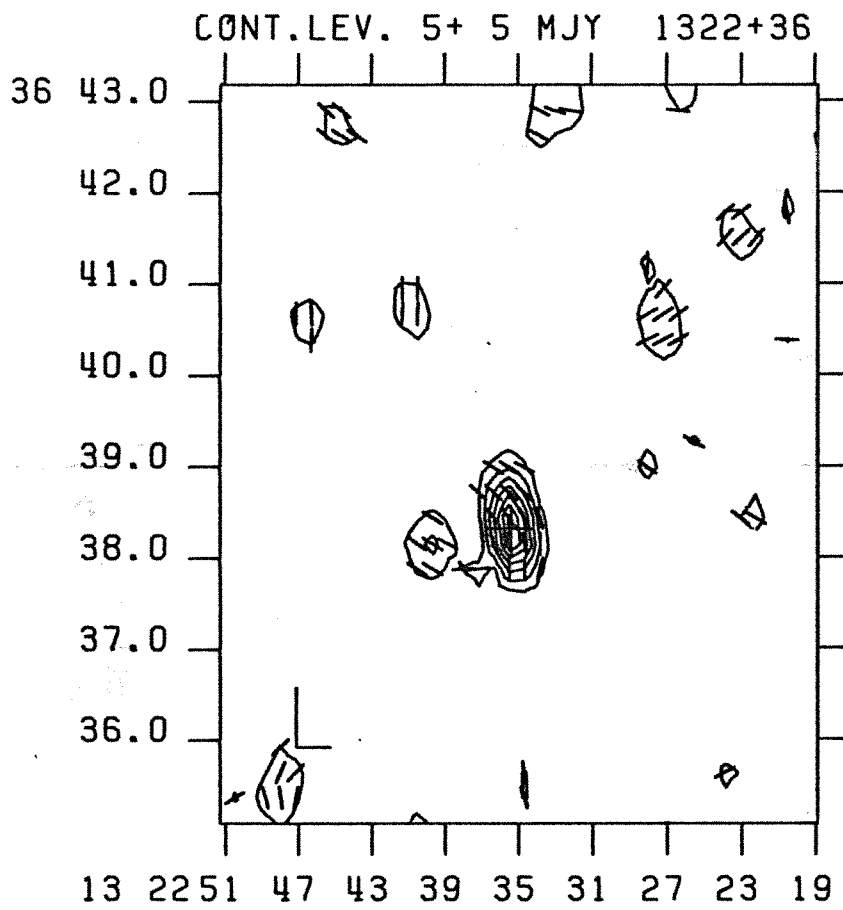
CONT.LEV.= (40.0 80.0 120.0+40 M.F.U.

TAPER= 20.0 BEAM= (23.1X38.6) NOISE (1XR.M.S.)= 0.7 M.U.

DSN= 1322+36

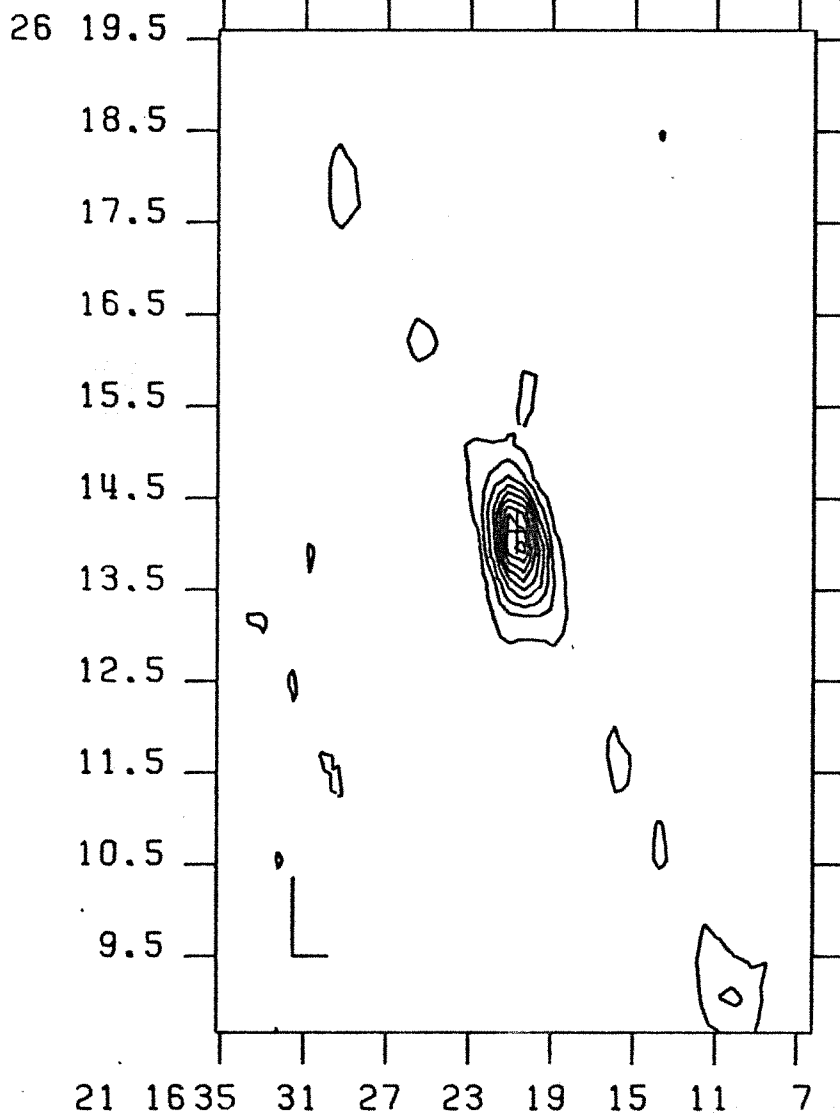
0. SUBTR.

CLEAN



WS62.132236 13 22 60.0 36 49 60.0 SMAX=36.7 M.F.U.
 1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC
 CONT.LEV.= (5.0 10.0 15.0 +5) M.F.U.
 TAPER= 20.0 BEAM= (23.2X38.7) NOISE (1XR.M.S.)= 0.7 W.U.
 DSN=1322+36 0. SUBTR. *CLEAN*

CONT.LEV. 8+ 8 MJY 211626



WT62.211626

21 16 20.7 26 14 8.0 SMAX=75.4 M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

CONT.LEV.= (8.0 16.0 24.0 +8)M.F.U.

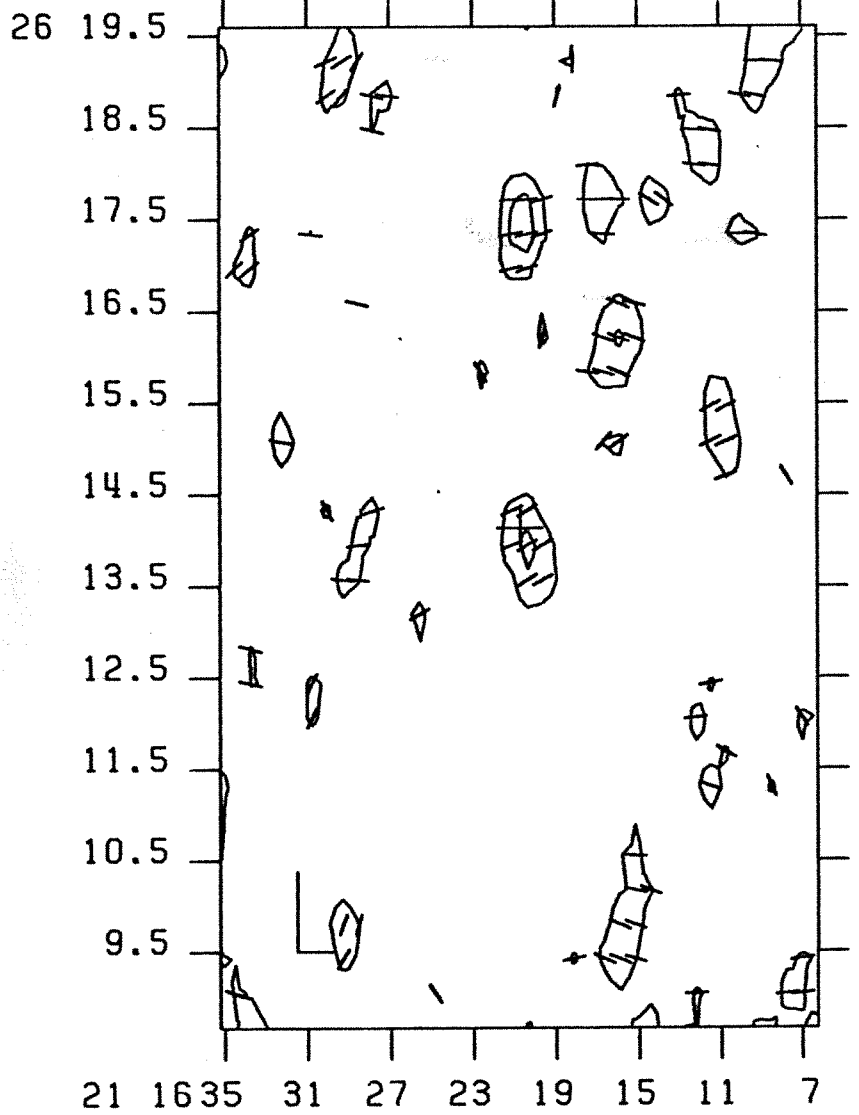
TAPER= 20.0 BEAM= (22.8X51.6) NOISE (1XR.M.S.)= 0.8 W.U.

DSN= 2116+26

0. SUBTR.

CLEAN

CONT.LEV. 3+ 3 MJY 2116+26



WT62.211626

21 16 20.7 26 14 8.0 SMAX=8.4 M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

CONT.LEV.= (3.0 6.0 9.0 +3)M.F.U.

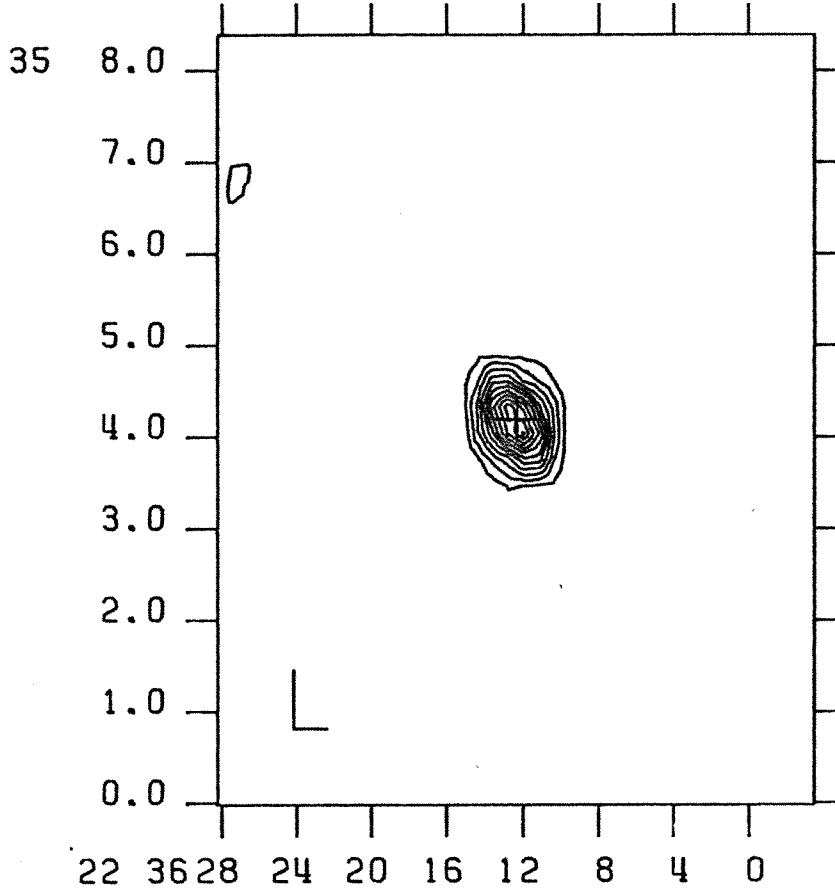
TAPER= 20.0 BEAM= (23.2X52.5) NOISE (1XR.M.S.)= 0.8 W.U.

DSN=2116+26

0. SUBTRA.

CLEAN

CONT.LEV.15+15 MJY 223635



WT62.223635

22 36 12.3 35 4 11.0 SMAX=167.2M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

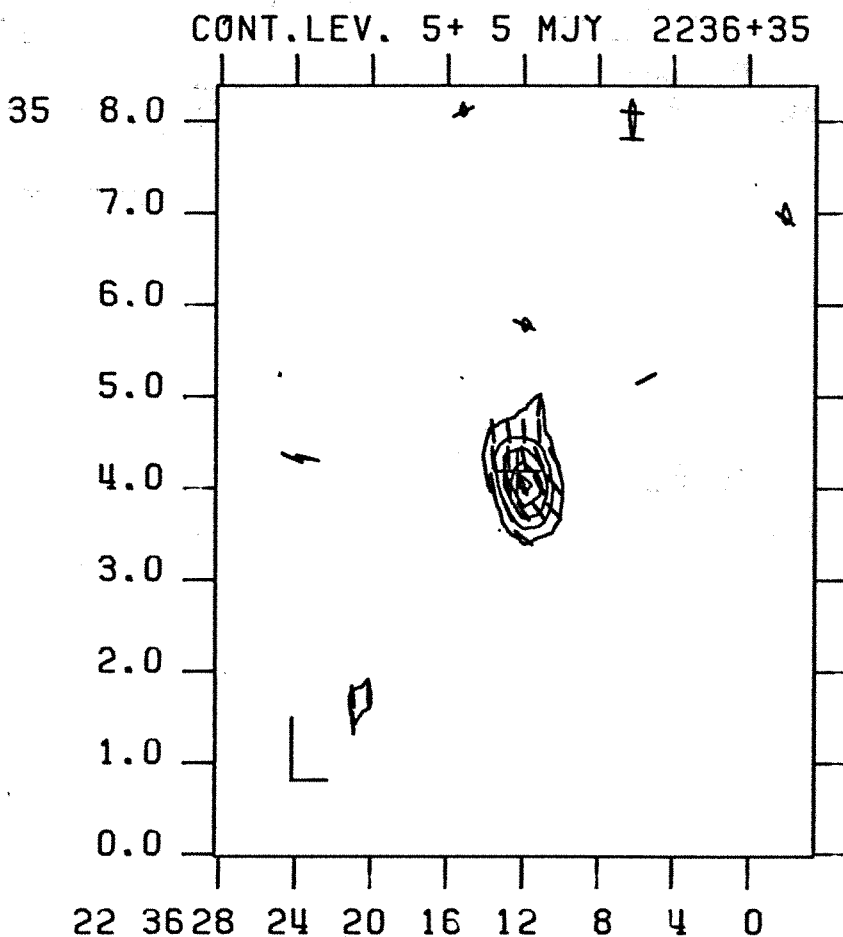
CONT.LEV.= (15.0 30.0 45.0 +19 M.F.U.

TAPER= 20.0 BEAM= (22.5X39.2) NOISE (1XR.M.S.)= 0.7 W.U.

DSN= 2236+35

0. SUBTR.

CLEAN



WT62.223635

22 36 12.3 35 4 11.0 SHAX=27.7 M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

CONT.LEV.= (5.0 10.0 15.0 +5) M.F.U.

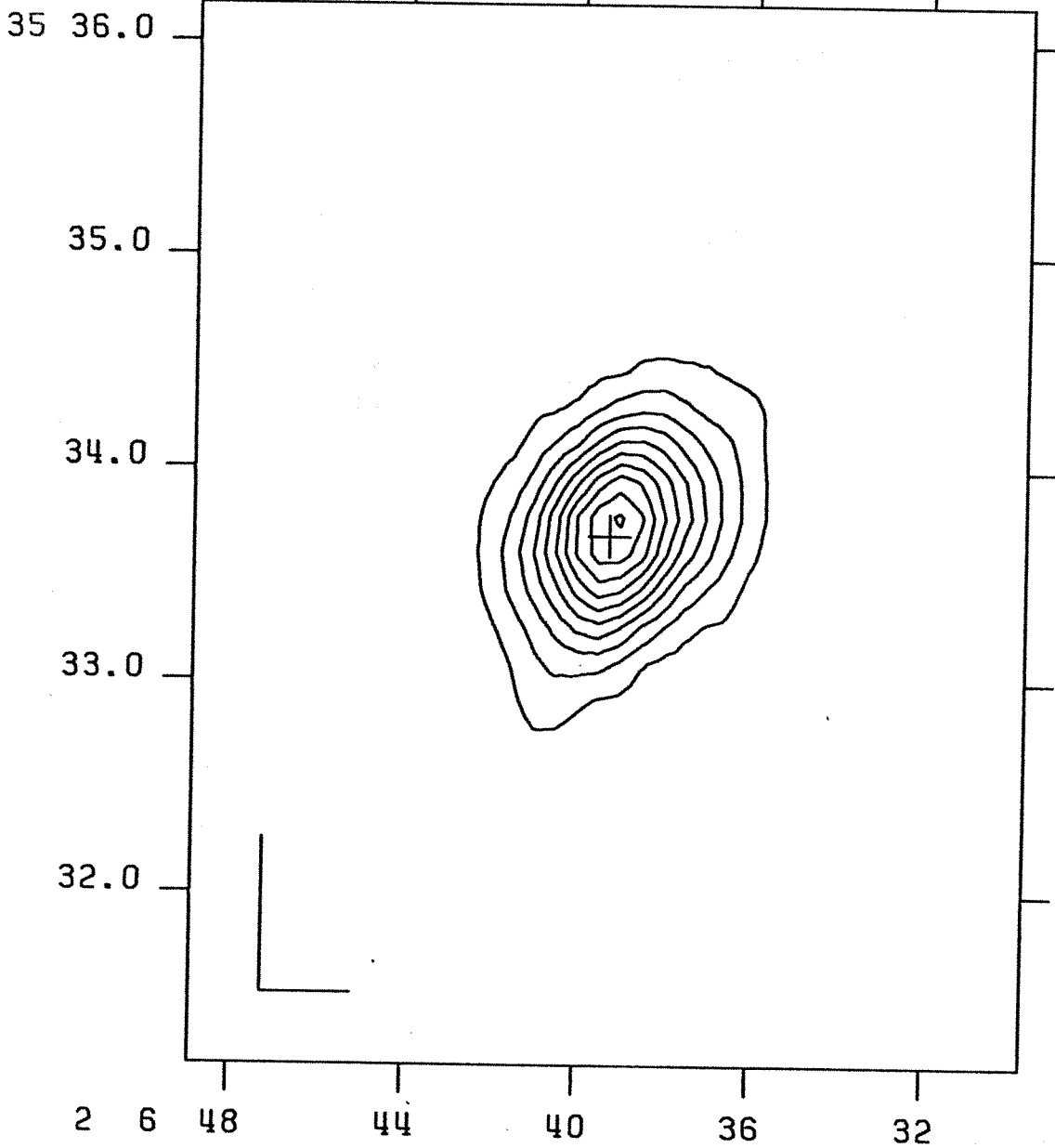
TAPER= 20.0 BEAM= (23.5X41.0) NOISE (1XR.M.S.)= 0.7 M.U.

DSN=2236+35

0. SUBTR.

CLEAN

CONT.LEV.50+50 MJY 020635



WS40.020635

2 6 39.3 35 33 41.0 SMAX=507.5M.F.U.

1 CM= 20.0 (R.A.) 20.0 (DEC) ARCSEC

CONT.LEV.= (50.0 100.0 150.0+50M.F.U.

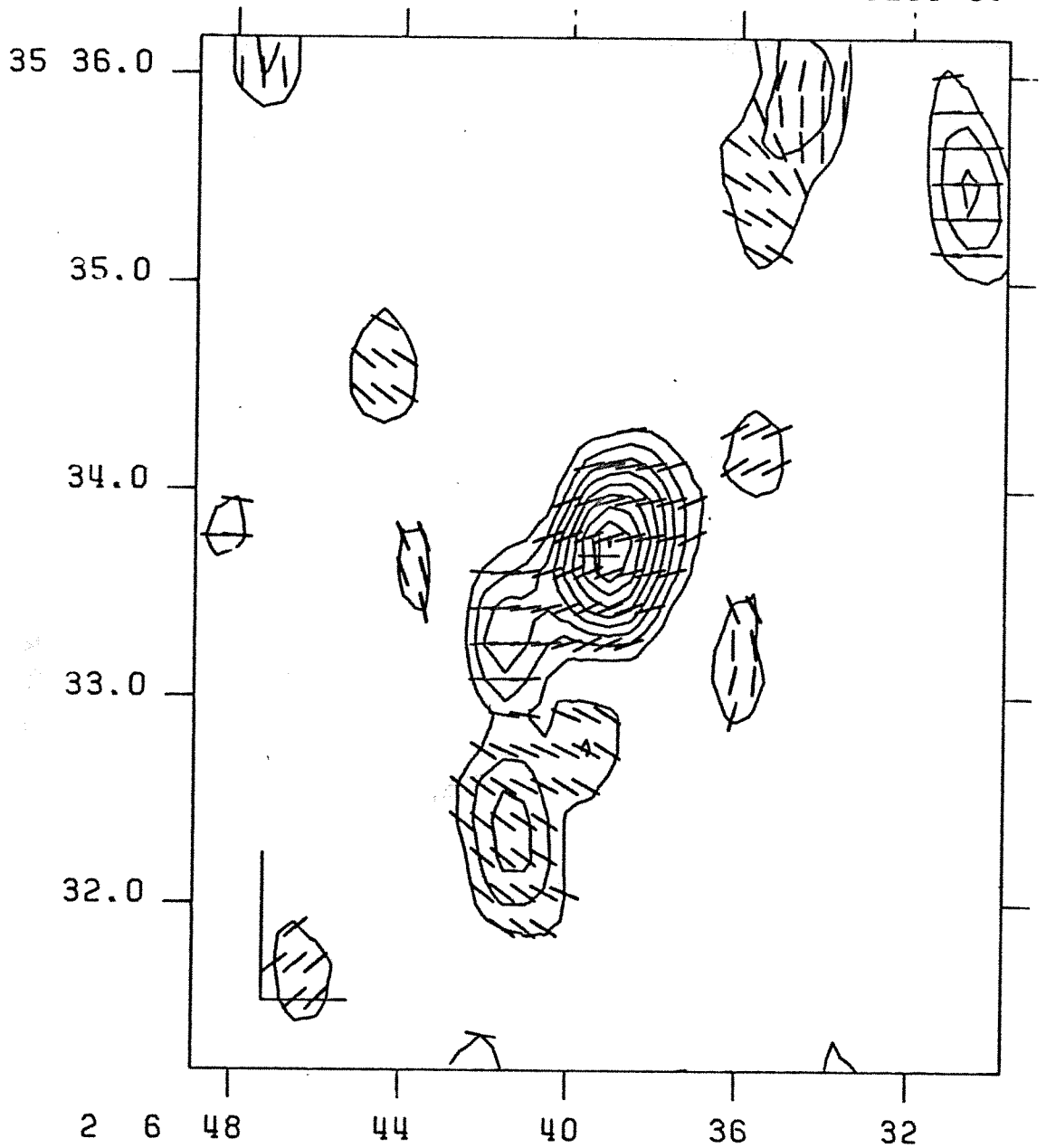
TAPER= 24.0 BEAM= (25.5X43.8) NOISE (1X.R.M.S.)= 1.4 M.U.

OSN= 0206+35

0. SUBTR.

CLEAN

CONT.LEV. 9+ 5 MJY 0206+35



WS40.020635

2 6 39.3 35 33 41.0 SMAX=49.5 M.F.U.

1 CM= 20.0 (R.A.) 20.0 (DEC) ARCSEC

CONT.LEV.= (9.0 14.0 19.0 +5) M.F.U.

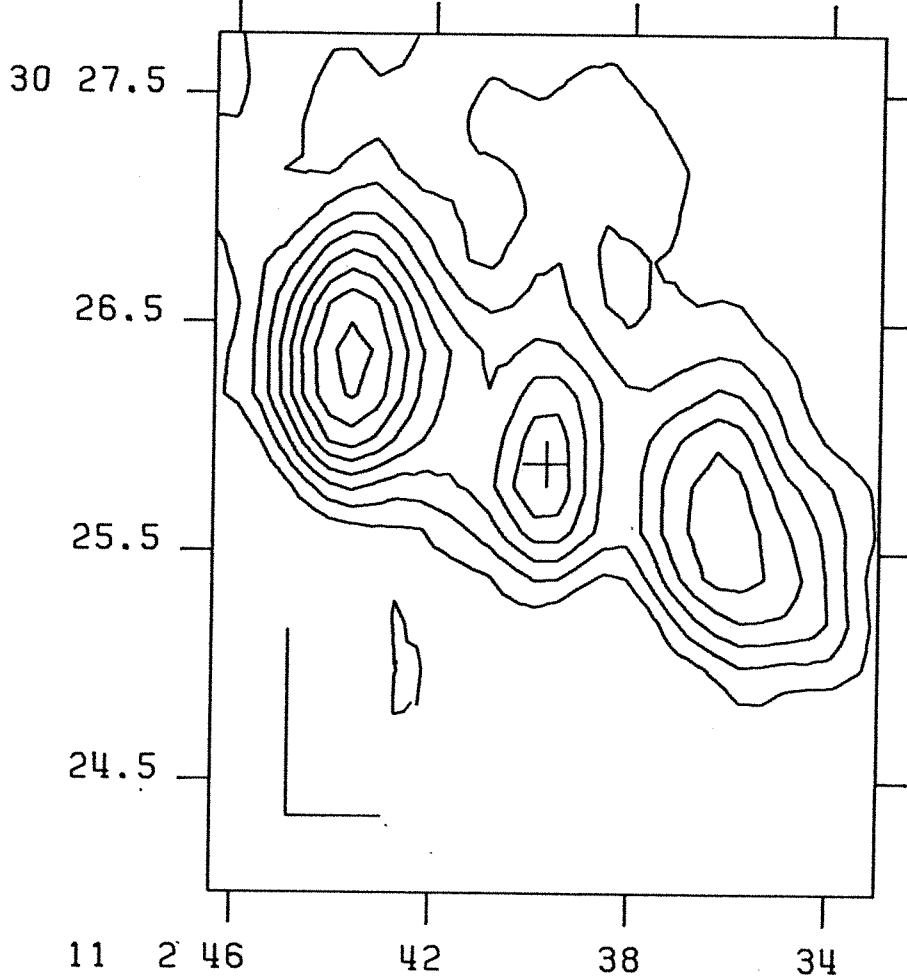
TAPER= 24.0 BEAM= (25.1x43.1) NOISE (1X R.M.S.)= 1.4 W.U.

USN=0206+35

0. SUBTR.

CLEAN

CONT.LEV. 5+ 5 MJY 110230



WS49.110230

11 2 39.7 30 25 53.0 SMAX=41.8 M.F.U.

1 CM= 20.0 (R.A.) 20.0 (DEC) ARCSEC

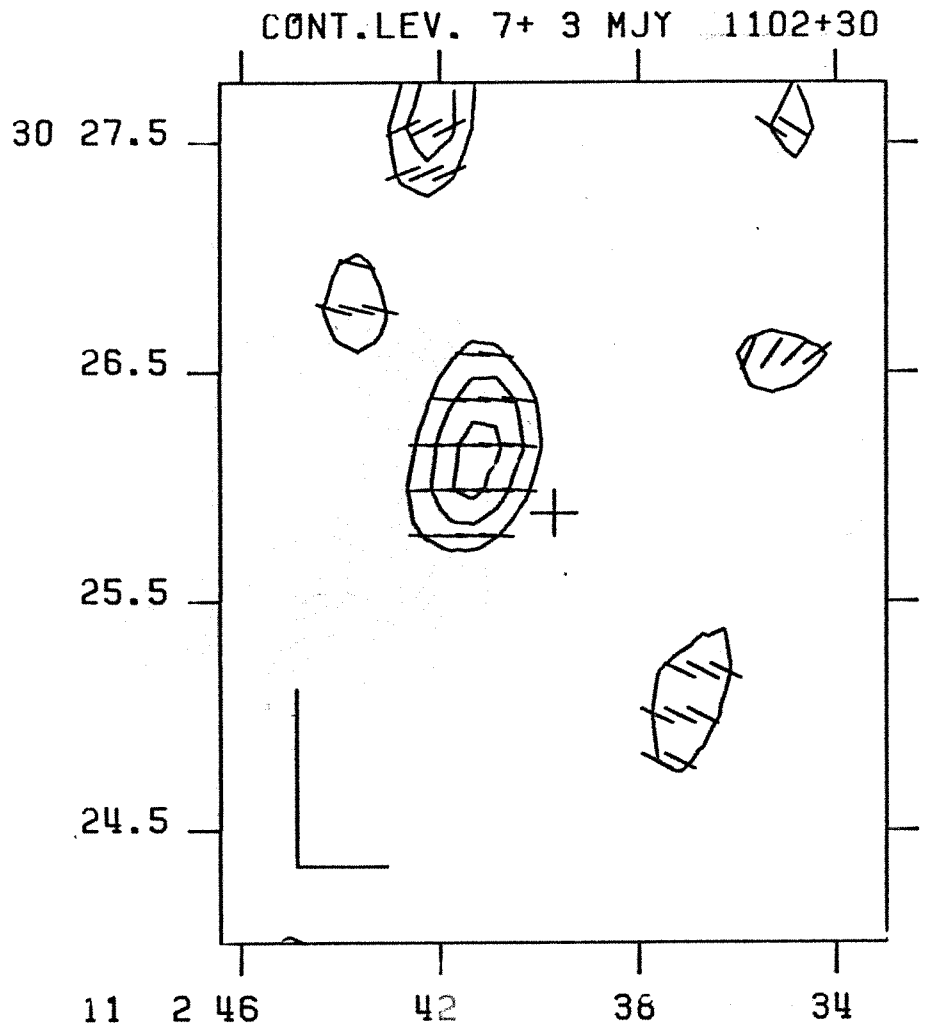
CONT.LEV.= (5.0 10.0 15.0 +5) M.F.U.

TAPER= 24.0 BEAM= (24.8X48.9) NOISE (1XR.M.S.)= 0.7 W.U.

DSN= 1102+30

0. SUBTR.

CLEAN



WS49.110230

11 2 39.7 30 25 53.0 SMAX=14.3 M.F.U.

1 CH= 20.0 (R.A.) 20.0 (DEC) ARCSEC

CONT.LEV.= (7.0 10.0 13.0 +3) M.F.U.

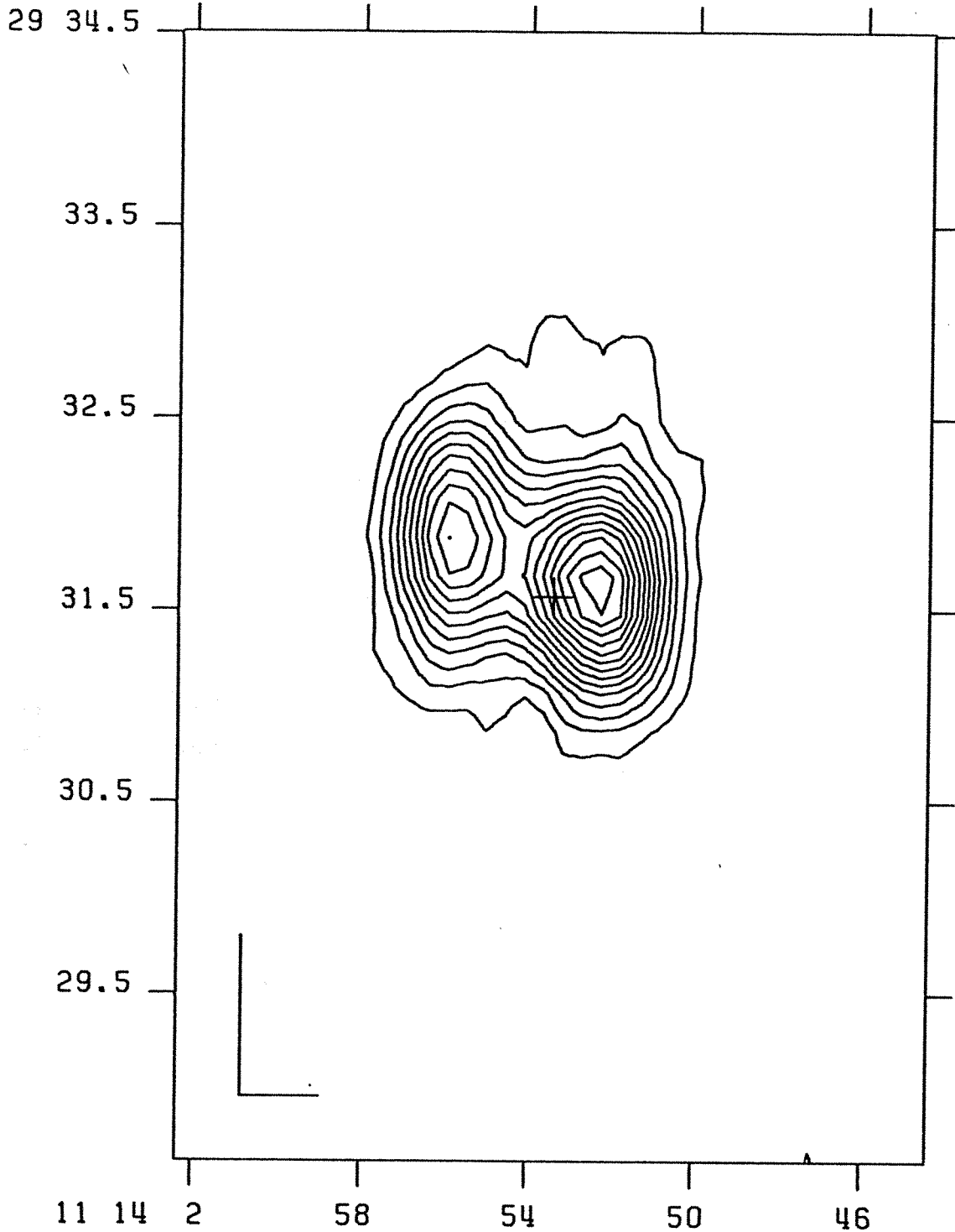
TAPER= 24.0 BEAM= (23.5X46.5) NOISE(1XR.M.S.)= 0.7 M.U.

DSN=1102+30

0. SUBTR.

×CLEAN×

CONT.LEV.20+20 MJY 111329



NS49.111329

11 13 53.4 29 31 34.0 SMAX=294.8M.F.U.

1 CM= 20.0 (R.A.) 20.0 (DEC) ARCSEC

CONT.LEV.= (20.0 40.0 60.0 +20M.F.U.

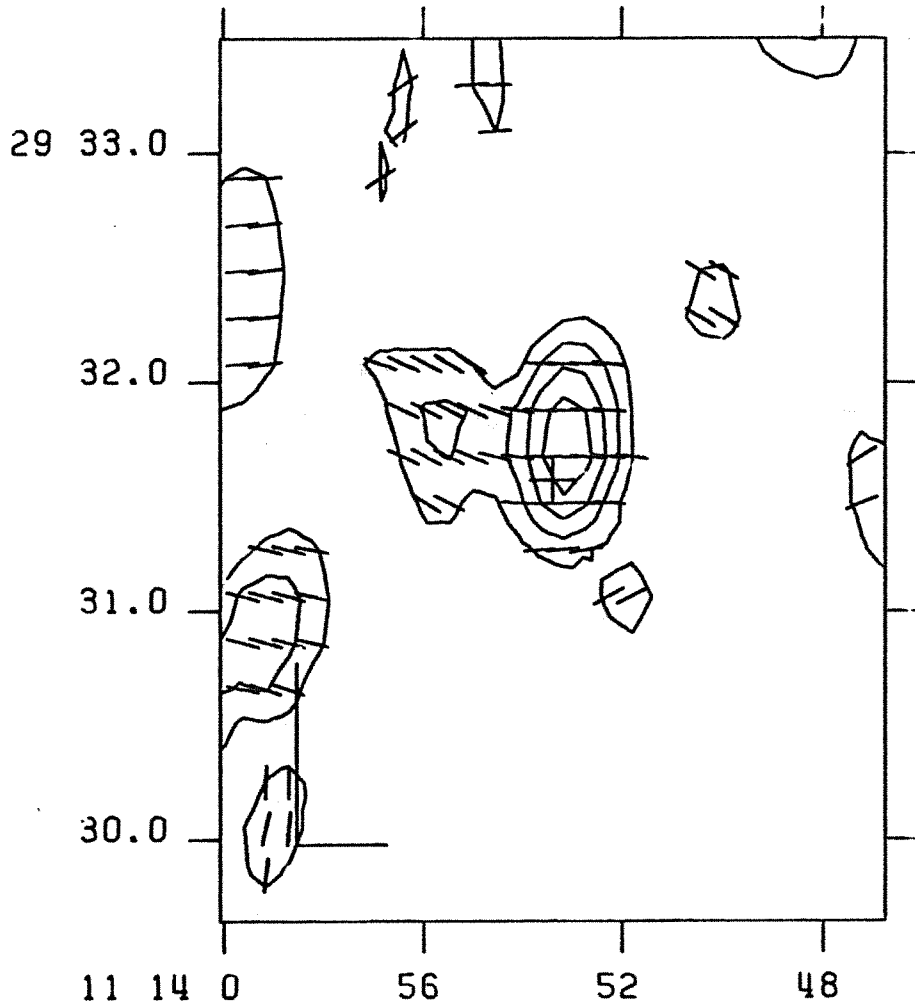
TAPER= 24.0 BEAM= (24.8X50.3) NOISE (1XA.M.S.)= 1.0 W.U.

OSN= 1113+29

0. SUBTR.

CLEAN

CONT.LEV. 8+ 5 MJY 1113+29



WS49.111329

11 13 53.4 29 31 34.0 SMAX=27.5 M.F.U.

1 CM= 20.0 (R.A.) 20.0 (DEC) ARCSEC

CONT.LEV.= (8.0 13.0 18.0 +5) M.F.U.

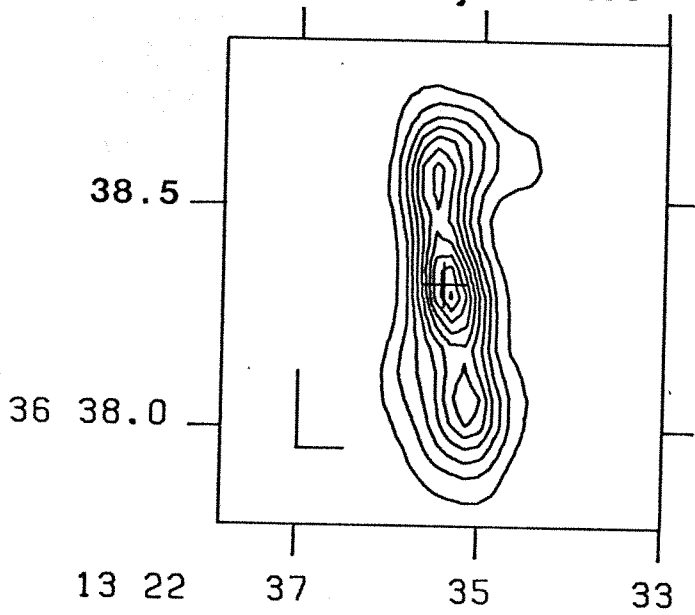
TAPER= 24.0 BEAM= (23.6X47.9) NOISE (1XR.M.S.)= 1.0 M.U.

OSN=1113+29

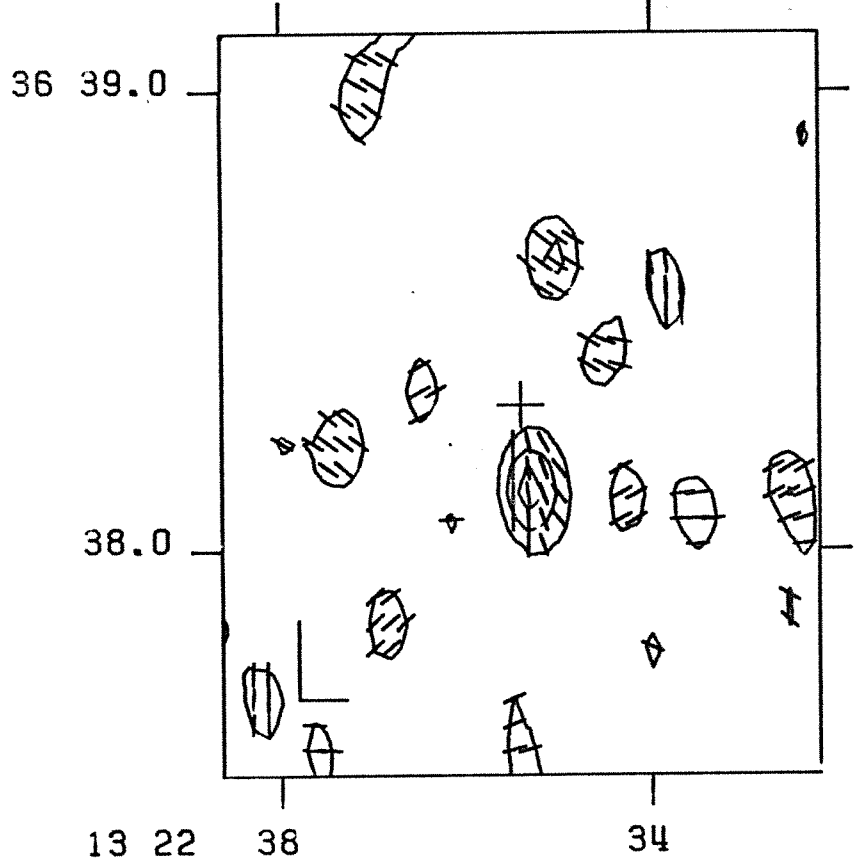
0. SUBTR.

CLEAN

4995 MHz
Cont. lev. 10 mJy 132236



CONT.LEV. 4+ 3 MJY 1322+36



WS49.132236

13 22 35.4 36 38 19.0 SMAX=11.9 M.F.U.

1 CM= 10.0 (R.A.) 10.0 (DEC) ARCSEC

CONT.LEV.= (4.0 7.0 10.0 +9) M.F.U.

TAPER= 0.0 BEAM= (6.3 X10.5) NOISE (1X R.M.S.)= 0.5 W.U.

DSN=1322+36

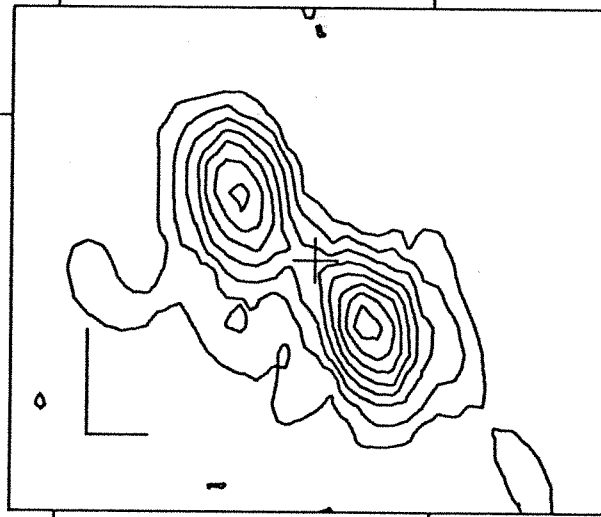
0. SUBTR.

CLEAN

4995 MHz

Cont. lev. 5 mJy 223635

35 4.5

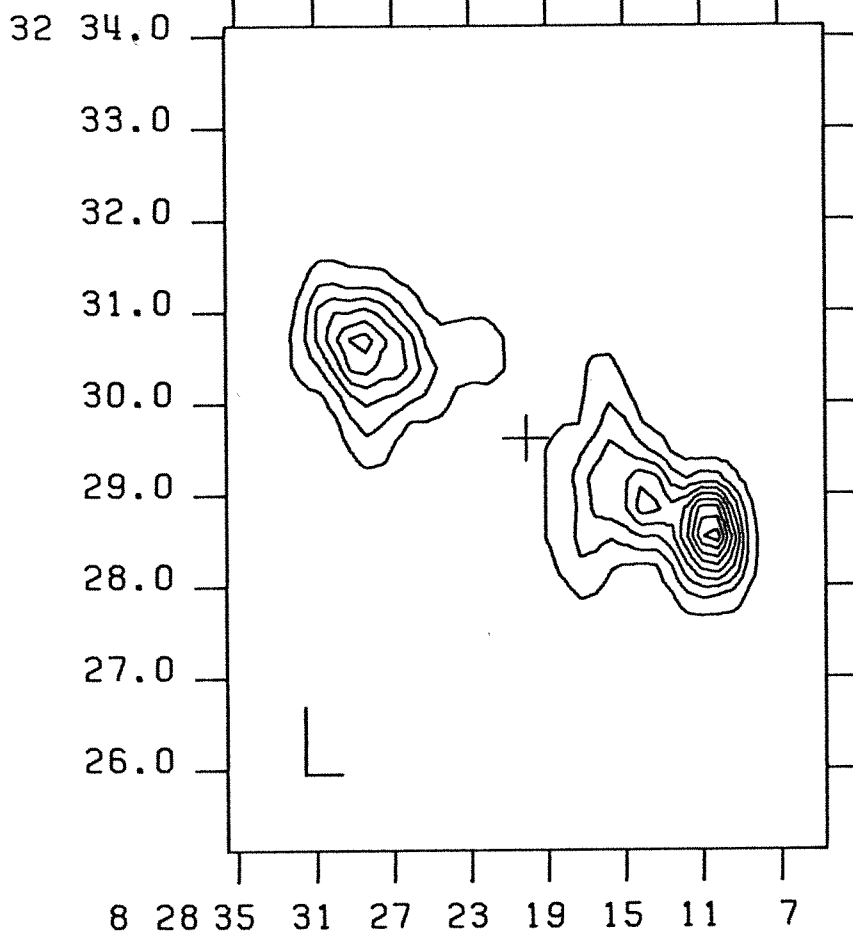


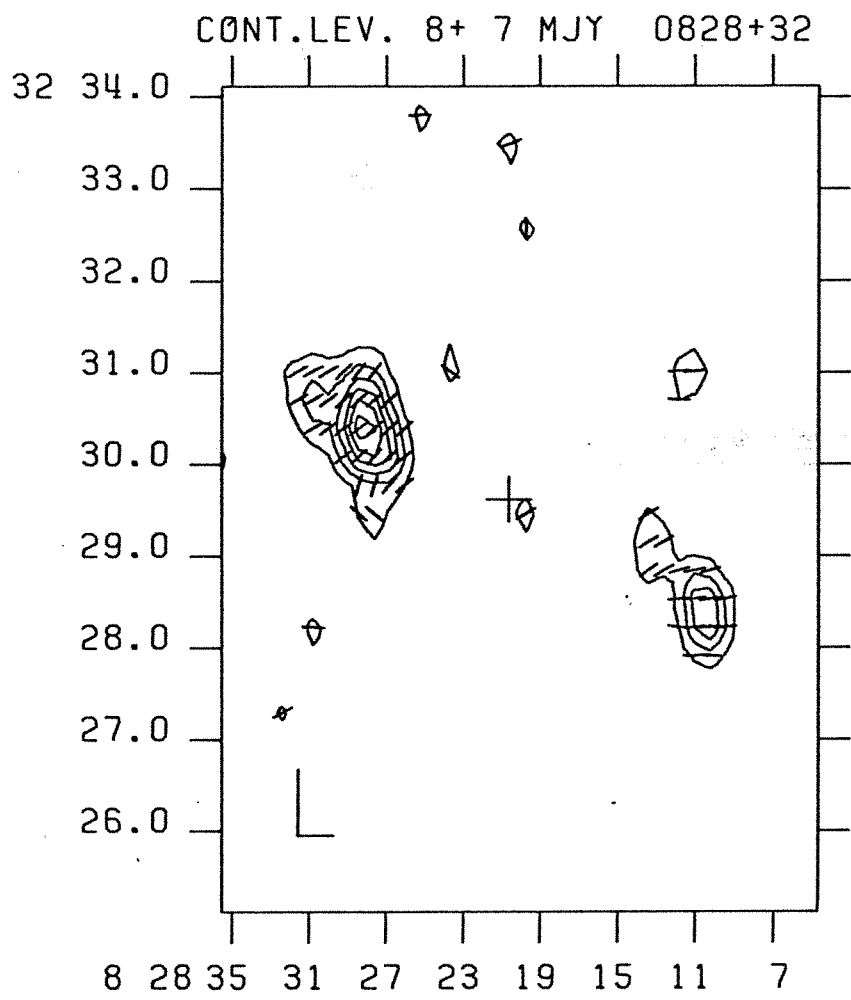
22 36 15

11

SECONDO CAMPIONE

CONT. LEVEL 25+25MJY .082832





WC115.082832A

8 28 20.1 32 29 37.0 SMAX=48.7 M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

CONT.LEV.= (8.0 15.0 22.0 +7) M.F.U.

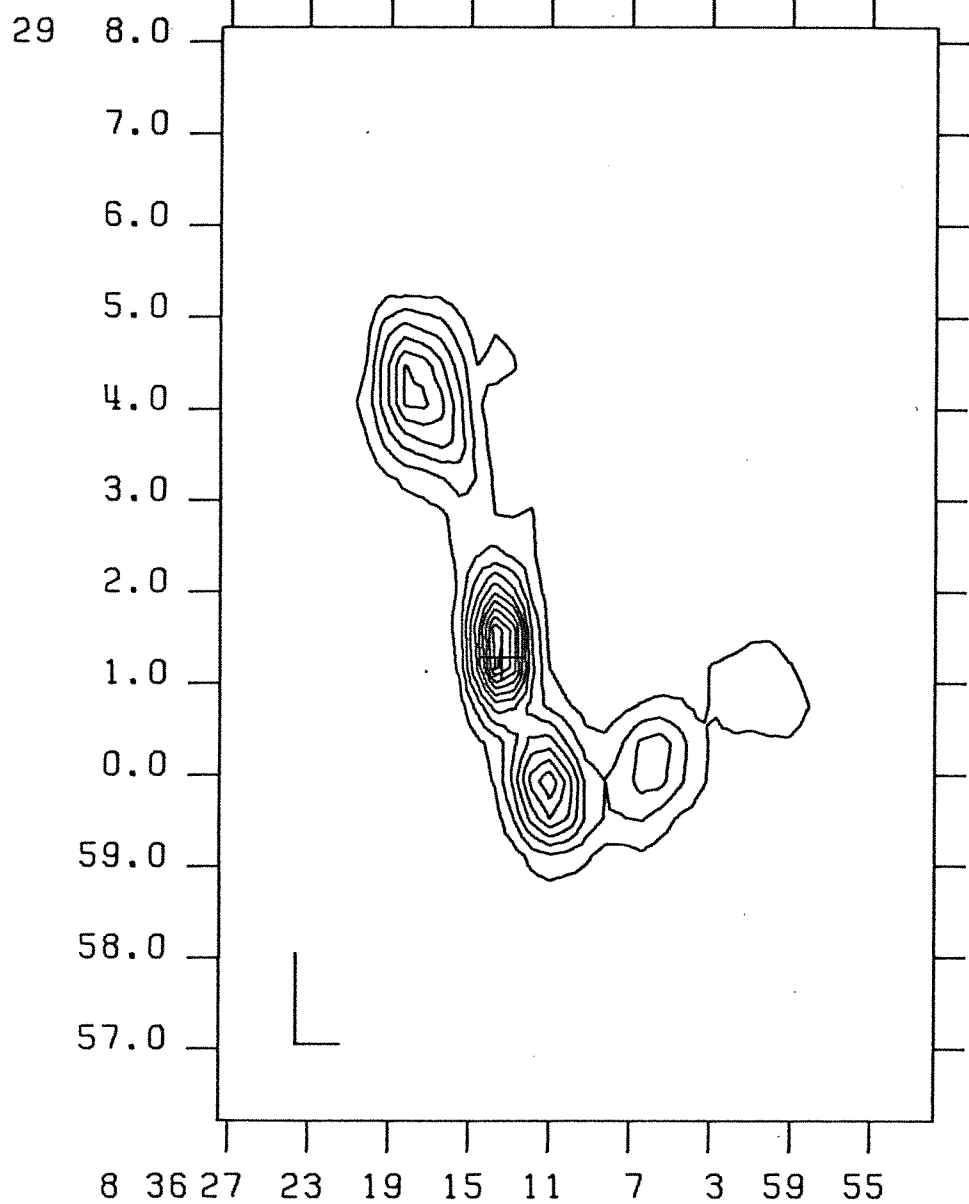
TAPER= 23.0 BEAM= (23.4X43.5) NOISE (1XR.M.S.)= 0.9 W.U.

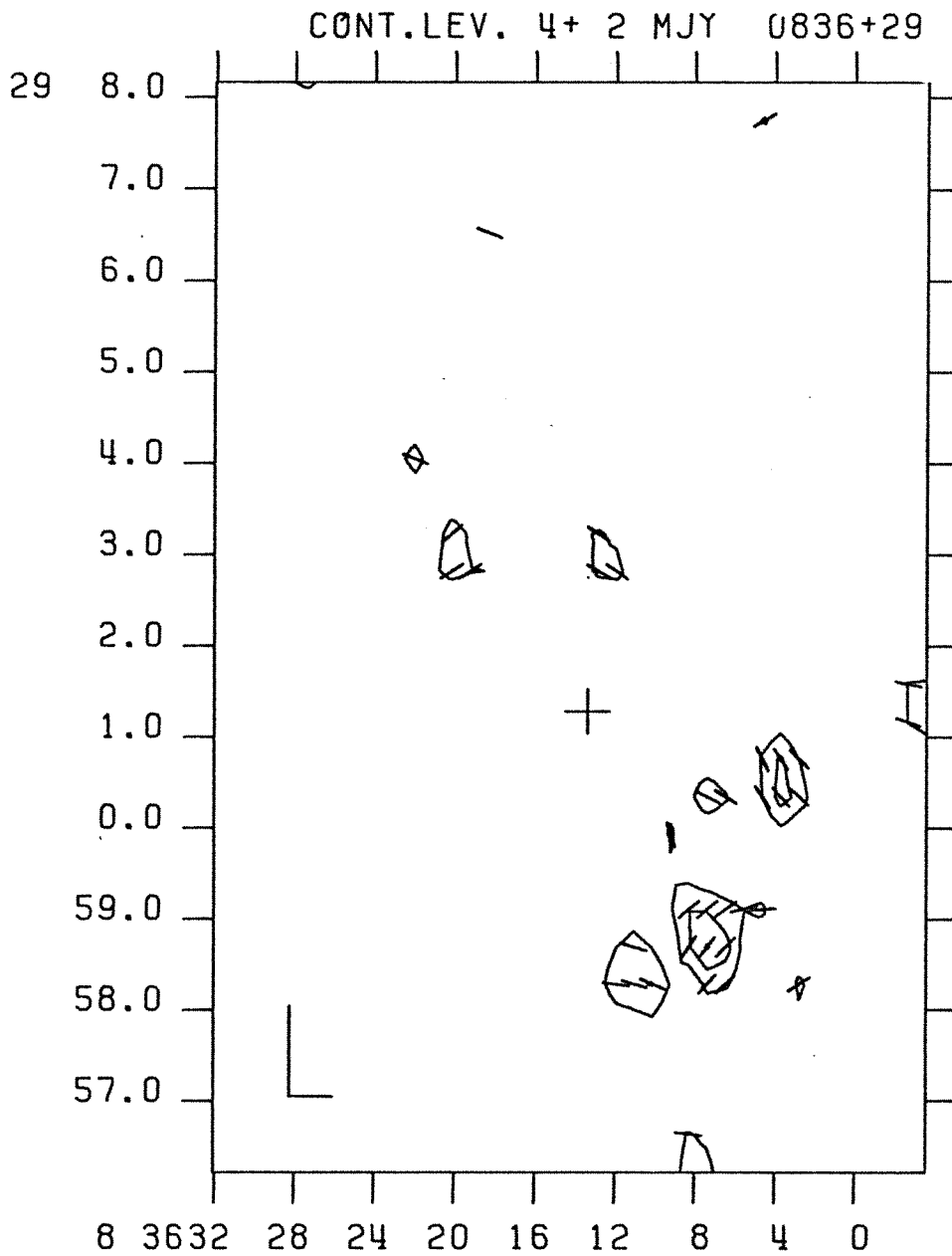
DSN=0828+32

0. SUBTR.

CLEAN

CONT. LEVEL 15+15 MJY .083629





WC115.083629

8 36 14.2 29 2 12.0 SMAX=8.2 M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

CONT.LEV.= (4.0 6.0 8.0 +2) M.F.U.

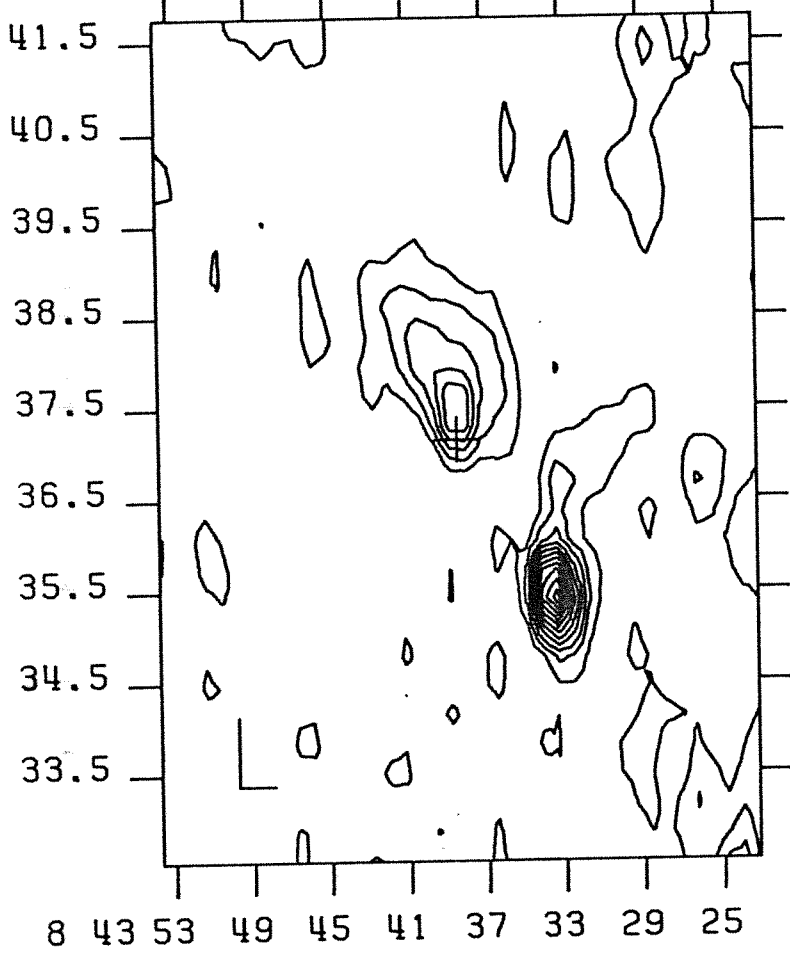
TAPER= 15.0 BEAM= (29.1X60.0) NOISE (1XR.M.S.)= 0.5 M.U.

DSN=0836+29

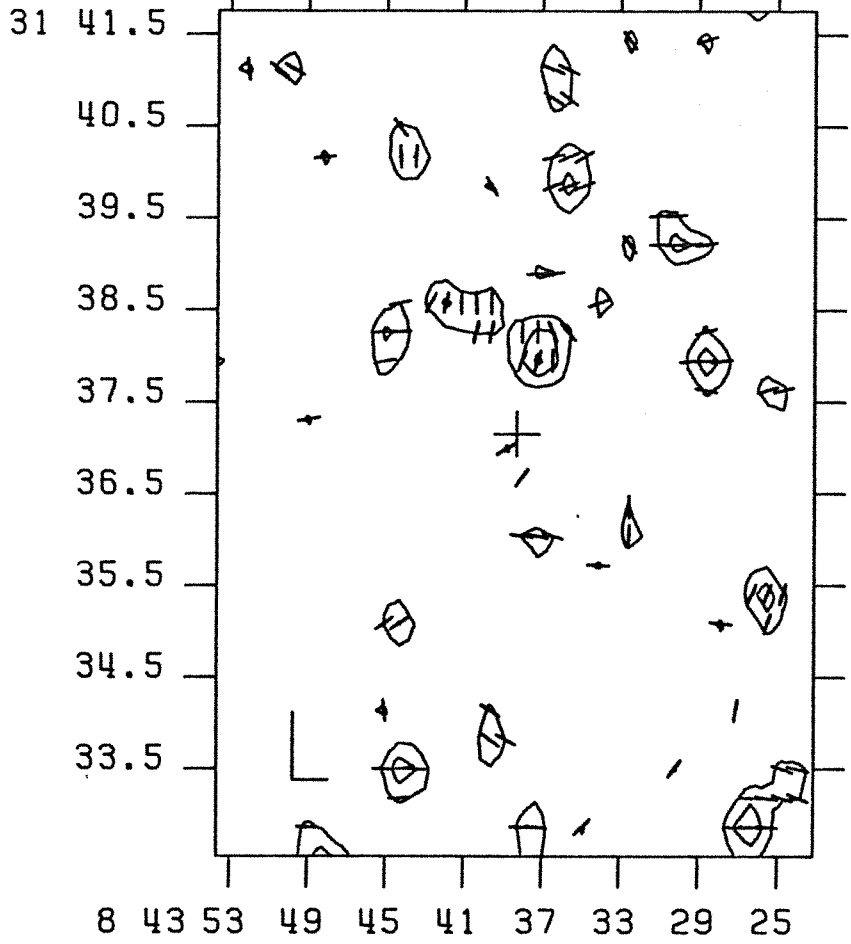
0. SUBTR.

CLEAN

CONT. LEVEL 4+4 MJY .084331



CONT.LEV. 3+ 2 MJY 0843+31



WC115.084331

8 43 38.4 31 37 9.0 SMAX=7.5 M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

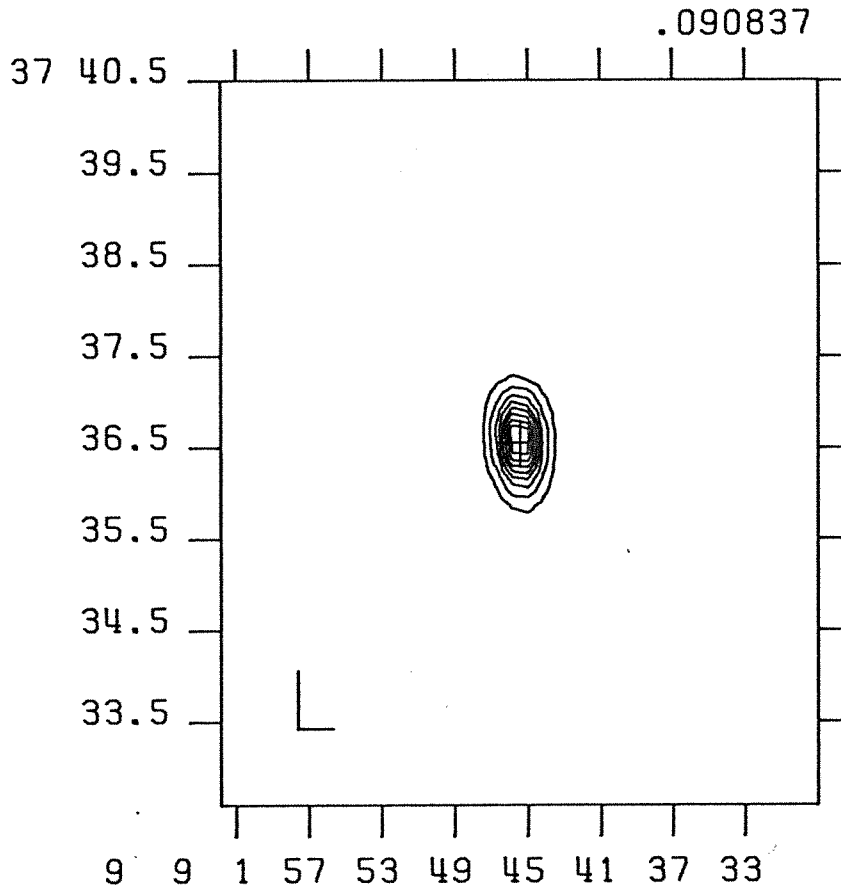
CONT.LEV.= (3.0 5.0 7.0 +2) M.F.U.

TAPER= 23.0 BEAM= (23.3X44.4) NOISE (1XR.M.S.)= 0.7 W.U.

DSN=0843+31

0. SUBTR.

CLEAN



JC115.090837

9 8 45.4 37 36 33.0 SMAX=388.5M.F.U.

CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

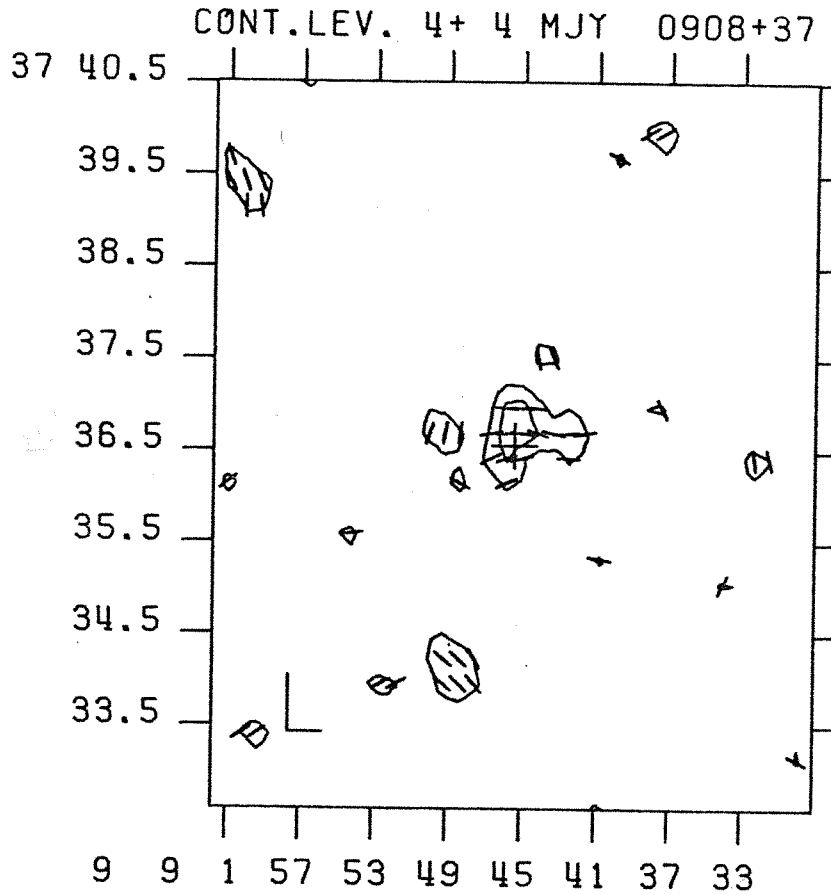
CONT.LEV.= (10.0 20.0 30.0 +8) X R.M.S.

TAPER= 23.0 BEAM= (23.6X38.7) NOISE (1X R.M.S.)= 1.0 W.U.

ISN=C090837.CW1

0. SUBTR.

CLEAN



WC115.090837

9 8 45.4 37 36 33.0 SMAX=11.6 M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

CONT.LEV.= (4.0 8.0 12.0 +4) M.F.U.

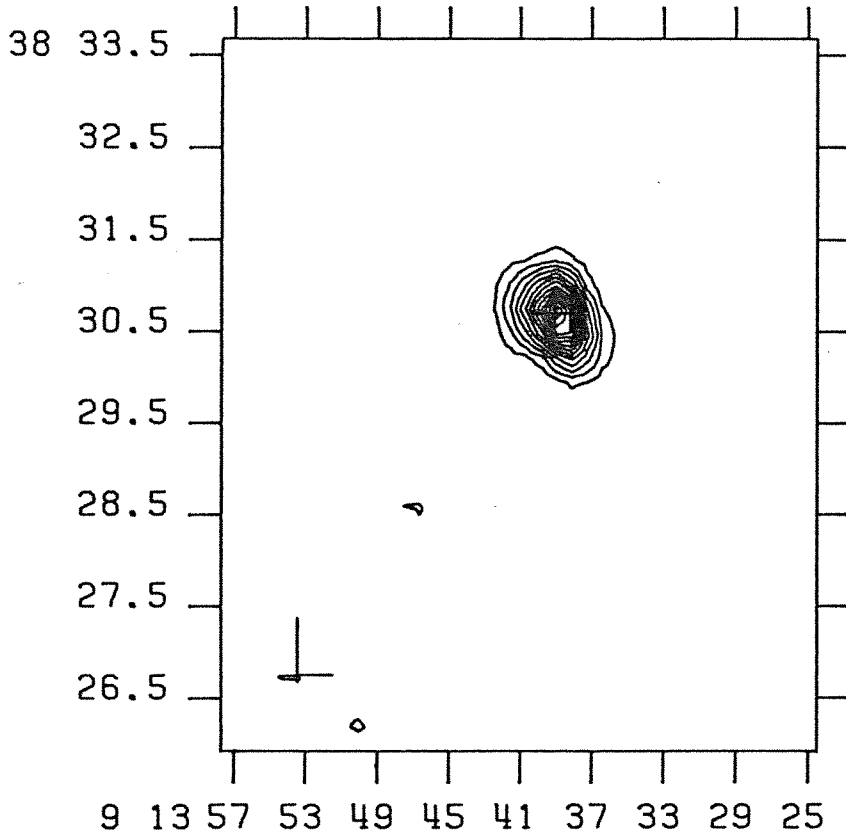
TAPER= 23.0 BEAM= (22.8X37.4) NOISE (1XR.M.S.)= 0.8 W.U.

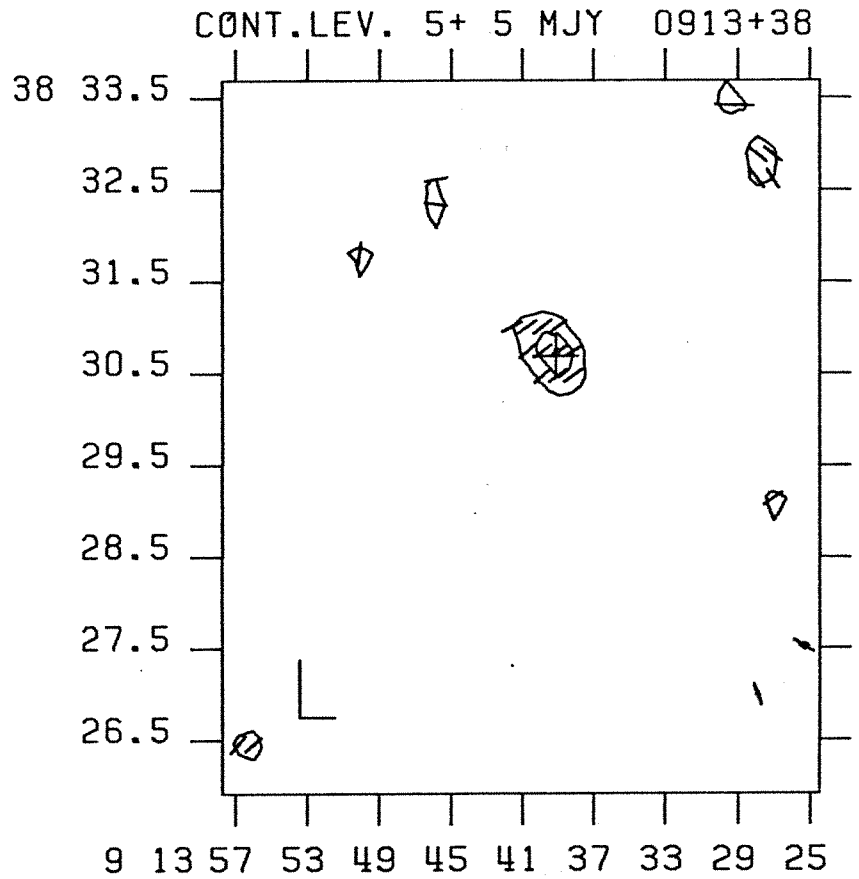
DSN=0908+37

0. SUBTR.

✱CLEAN✱

CONT.LEV.12+12 MJY .091338





WC115.091338

9 13 41.1 38 29 48.0 SMAX=15.9 M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

CONT.LEV.= (5.0 10.0 15.0 +5) M.F.U.

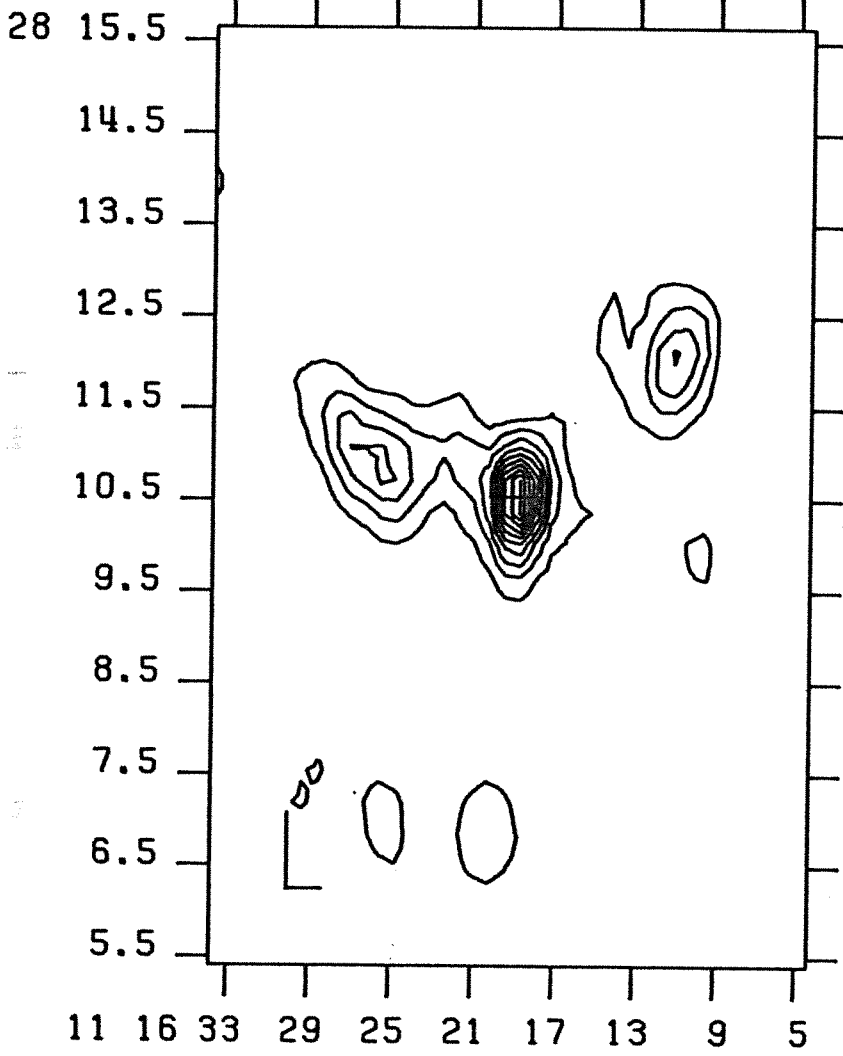
TAPER= 23.0 BEAM= (23.4X37.6) NOISE (1XR.M.S.)= 1.0 W.U.

DSN=0913+38

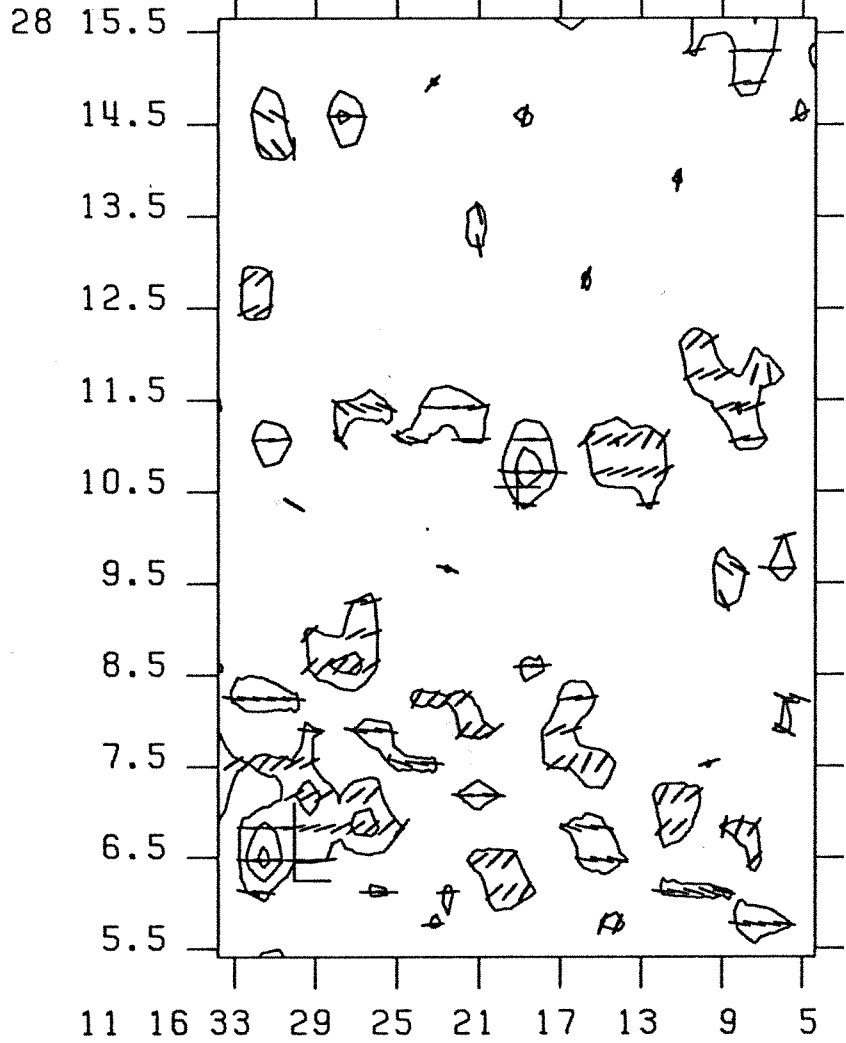
0. SUBTR.

CLEAN

CONT. LEV .10+10 MJY .111628



CONT.LEV. 3+ 2 MJY 1116+28



WC115.111628

11 16 19.1 28 10 32.0 SMAX=8.0 M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

CONT.LEV.= (3.0 5.0 7.0 +2) M.F.U.

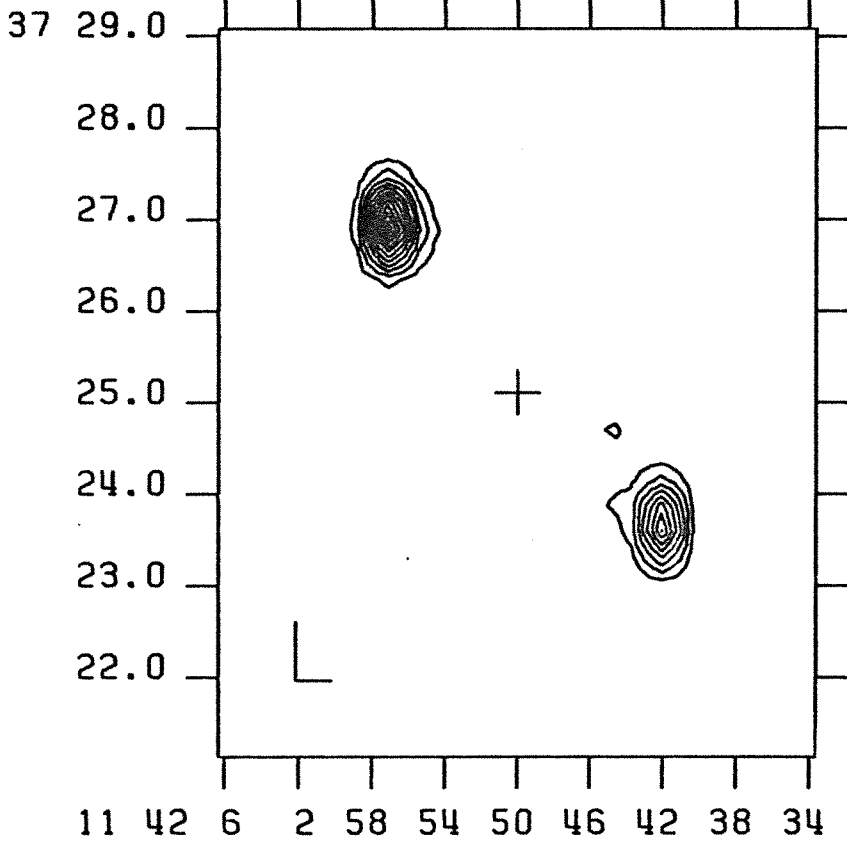
TAPER= 23.0 BEAM= (24.0X50.9) NOISE (1XR.M.S.)= 0.8 W.U.

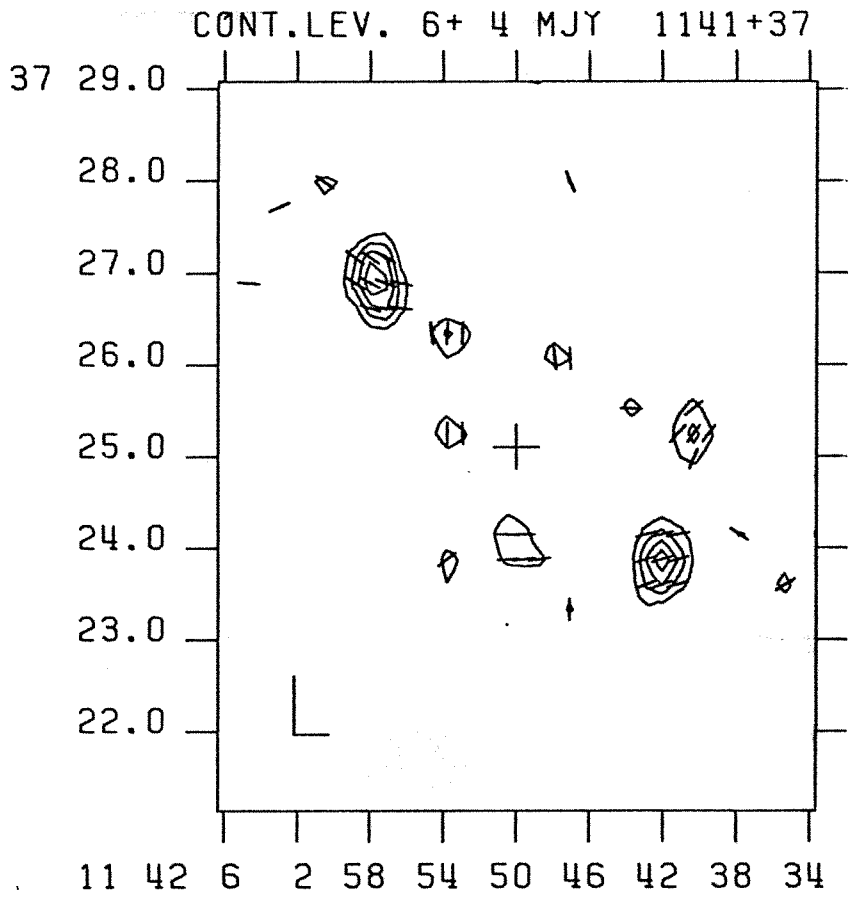
DSN=1116+28

0. SUBTR.

CLEAN

CONT.LEV.65+65 MJY .114137





WC115.114137B

11 41 50.0 37 25 6.5

SMAX=22.2 M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

CONT.LEV.= (6.0 10.0 14.0 +4) M.F.U.

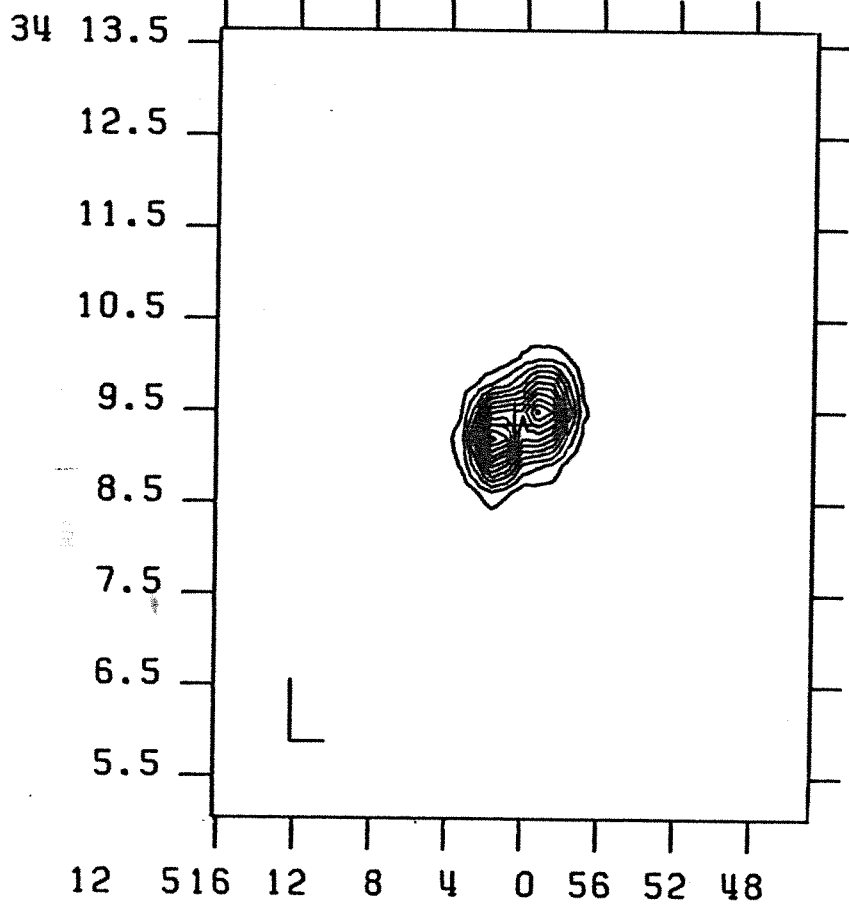
TAPER= 23.0 BEAM= (23.3X38.4) NOISE (1XR.M.S.)= 0.9 W.U.

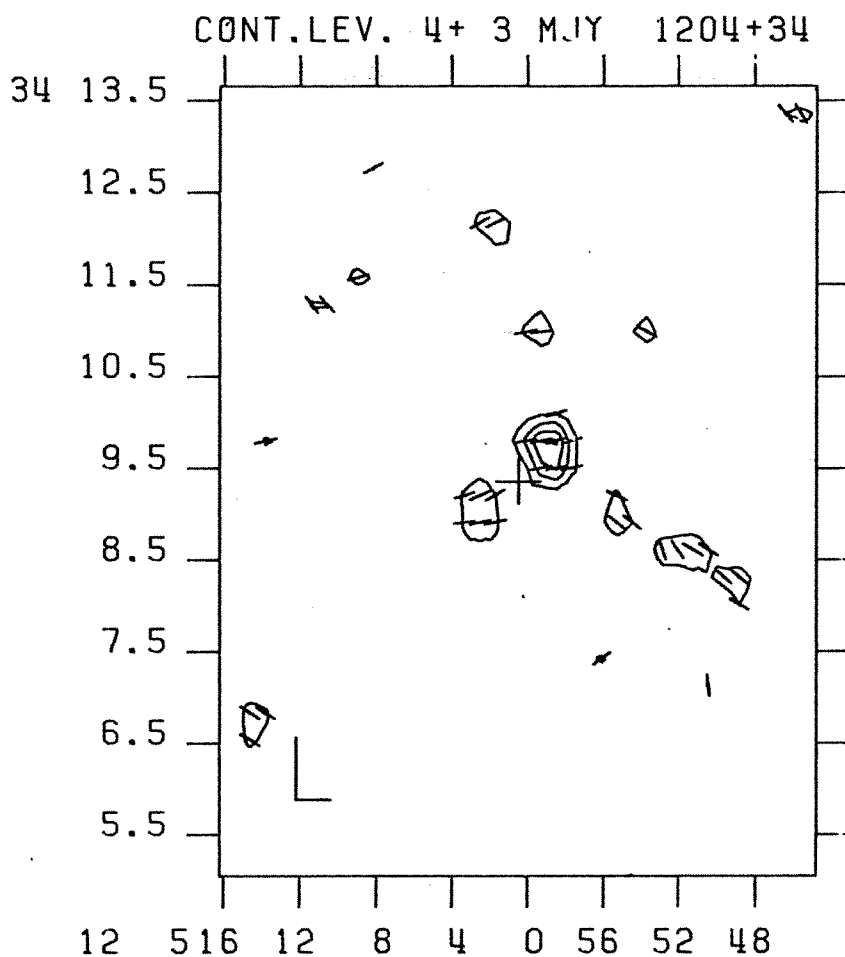
OSN=1141+37

0. SUBTR.

CLEAN

CONT.LEV.15+15 MJY .120434





WC115.120434

12 5 0.5 34 9 21.0 SMAX=13.3 M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

CONT.LEV.= (4.0 7.0 10.0 +3) M.F.U.

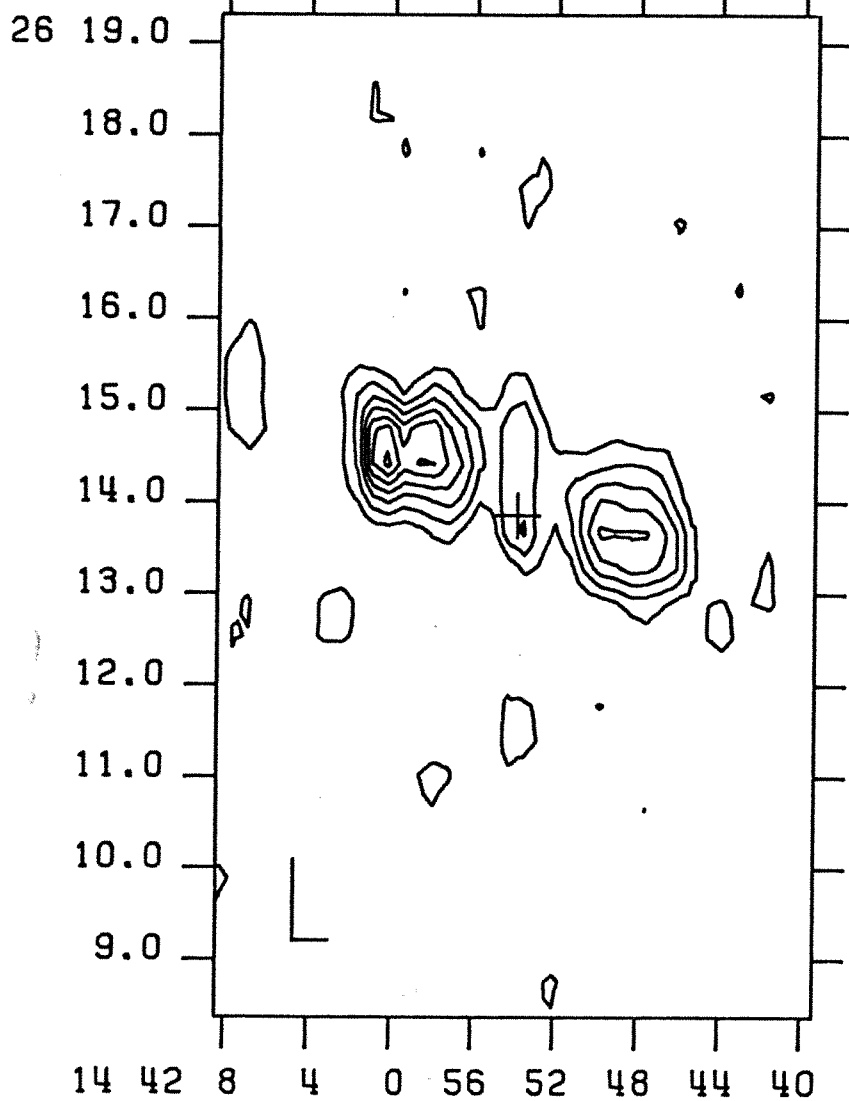
TAPER= 23.0 BEAM= (23.2X41.4) NOISE (1XR.M.S.)= 0.8 W.U.

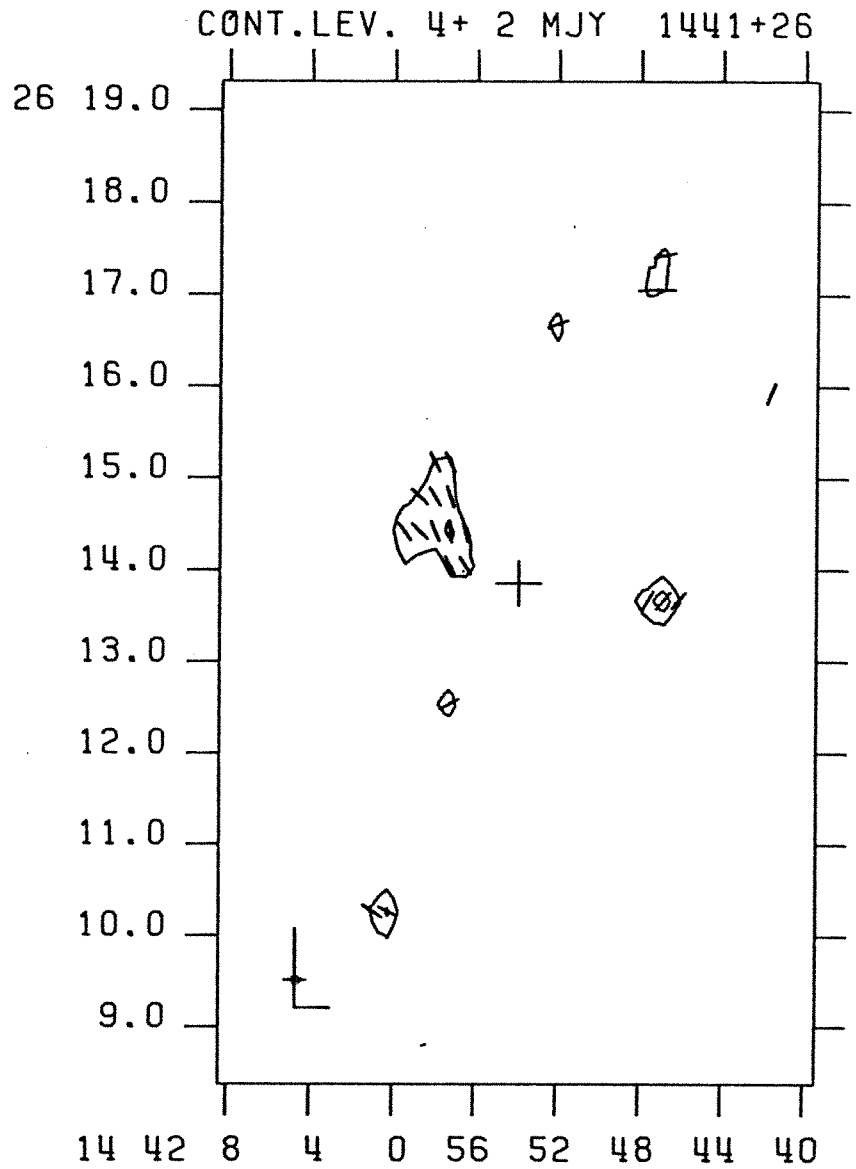
OSN=1204+34

0. SUBTR.

CLEAN

CONT.LEV. 6+6 MJY .144126





WC115.144126

14 41 53.9 26 13 51.0 SMAX=7.4 M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

CONT.LEV.= (4.0 6.0 8.0 +2) M.F.U.

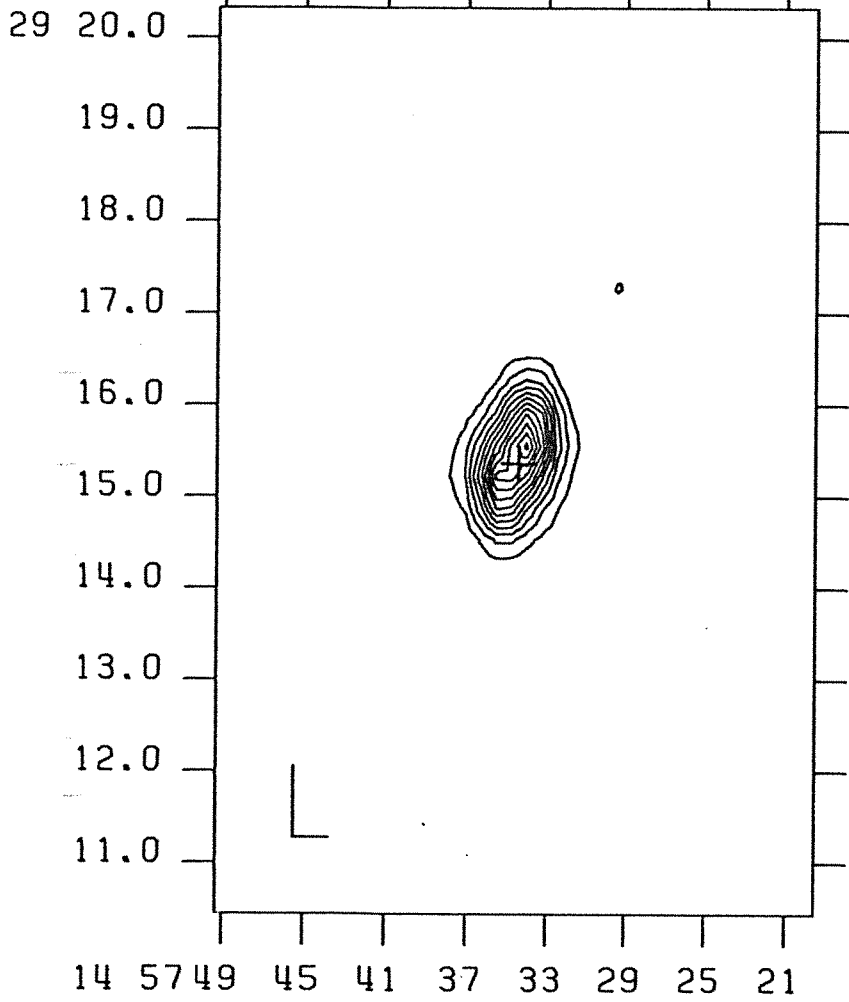
TAPER= 23.0 BEAM= (22.9X51.8) NOISE (1XR.M.S.)= 0.8 W.U.

DSN=1441+26

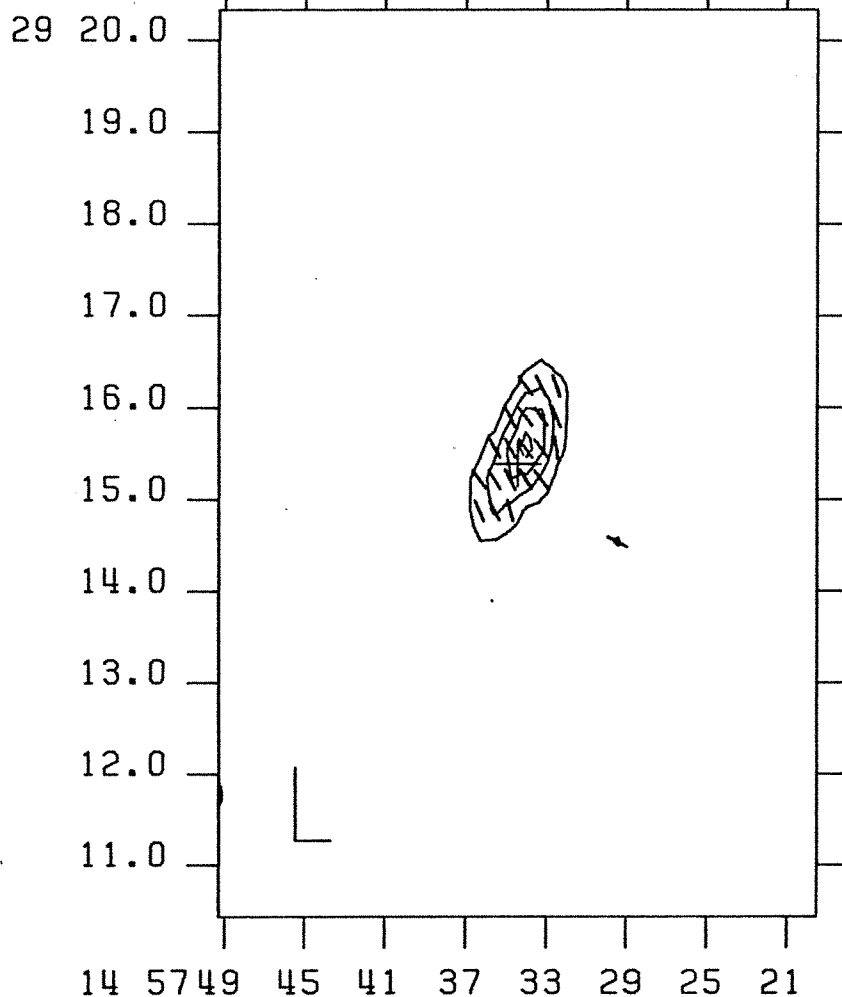
0. SUBTR.

CLEAN

CONT.LEV.10+10 MJY .145729



CONT.LEV. 5+ 5 MJY 1457+29



WC115.145729

14 57 34.4 29 15 22.9 SMAX=22.4 M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

CONT.LEV.= (5.0 10.0 15.0 +5) M.F.U.

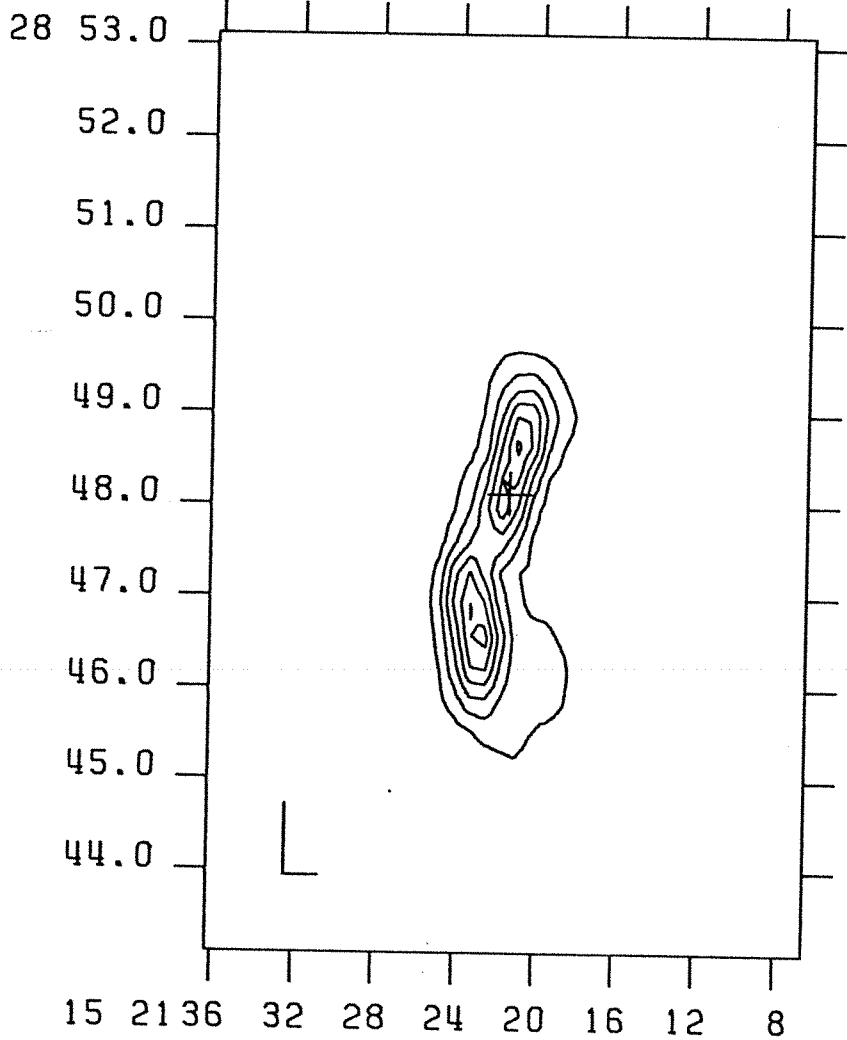
TAPER= 23.0 BEAM= (23.4X47.9) NOISE (1X R.M.S.)= 0.9 W.U.

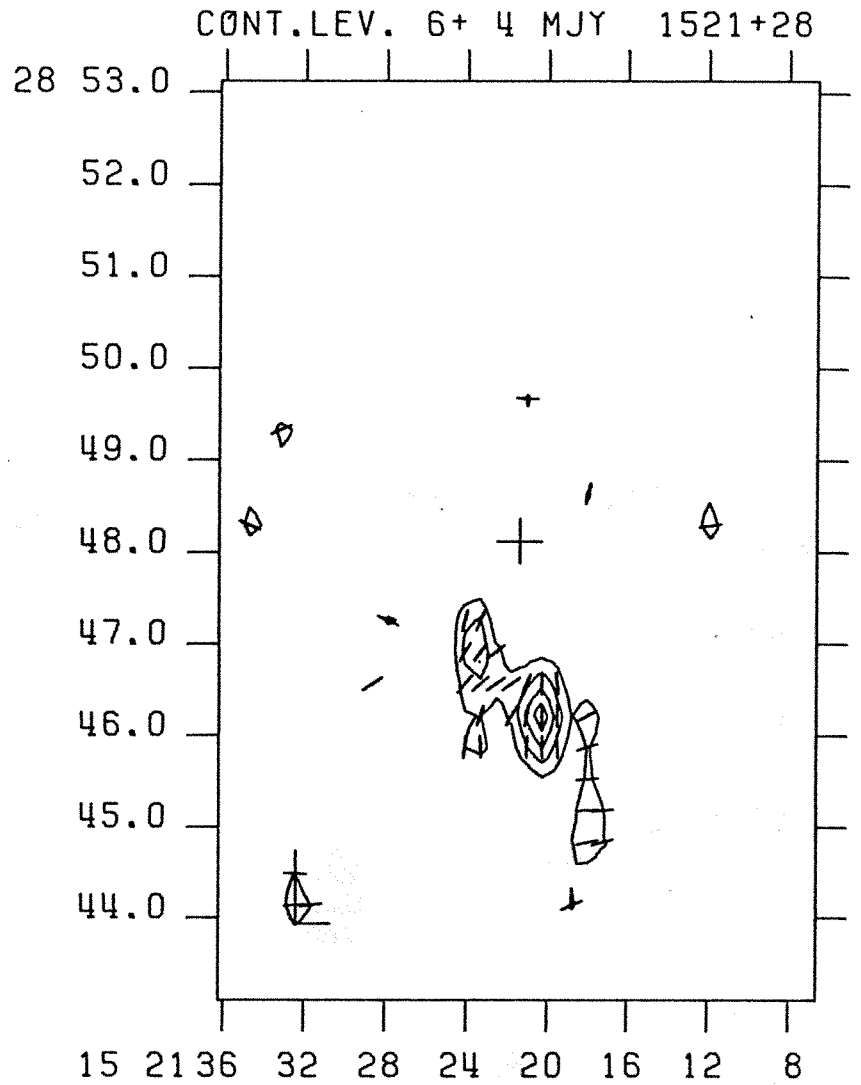
DSN=1457+29

0. SUBTR.

CLEAN

CONT.LEV.15+15 MJY .152128





WC115.152128

15 21 21.4 28 48 7.0 SMAX=21.1 M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

CONT.LEV.= (6.0 10.0 14.0 +4) M.F.U.

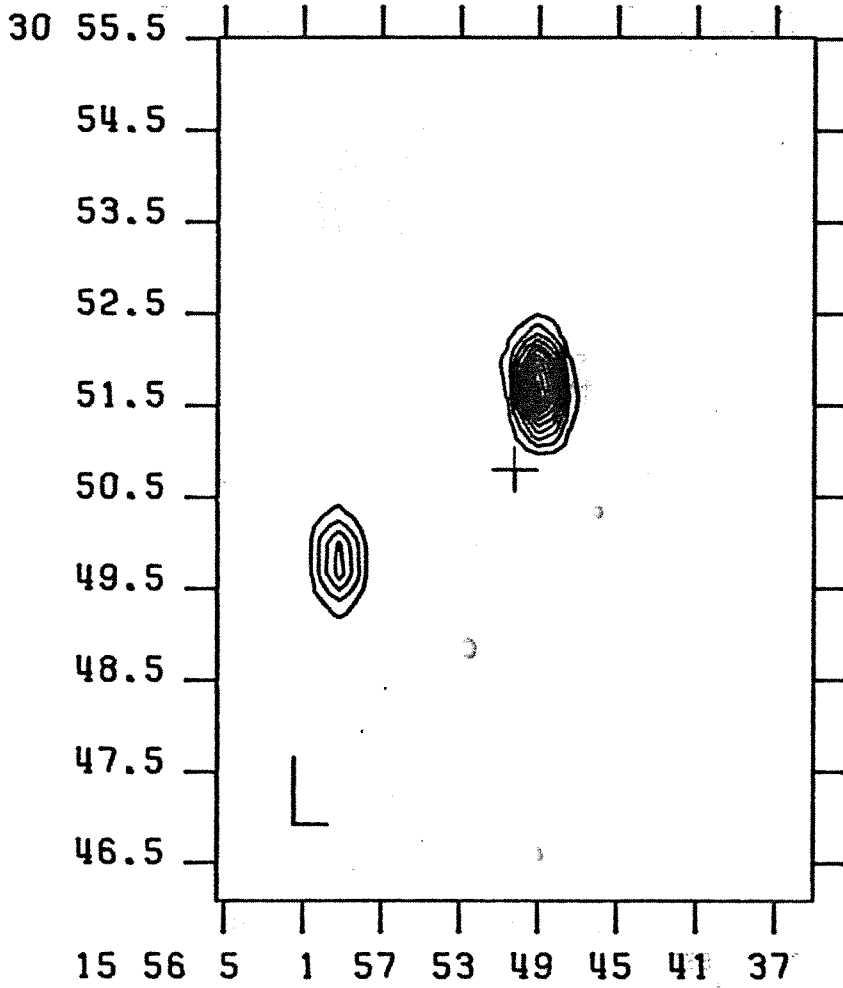
TAPER= 23.0 BEAM= (23.2X48.1) NOISE (1XR.M.S.)= 0.9 W.U.

DSN=1521+28

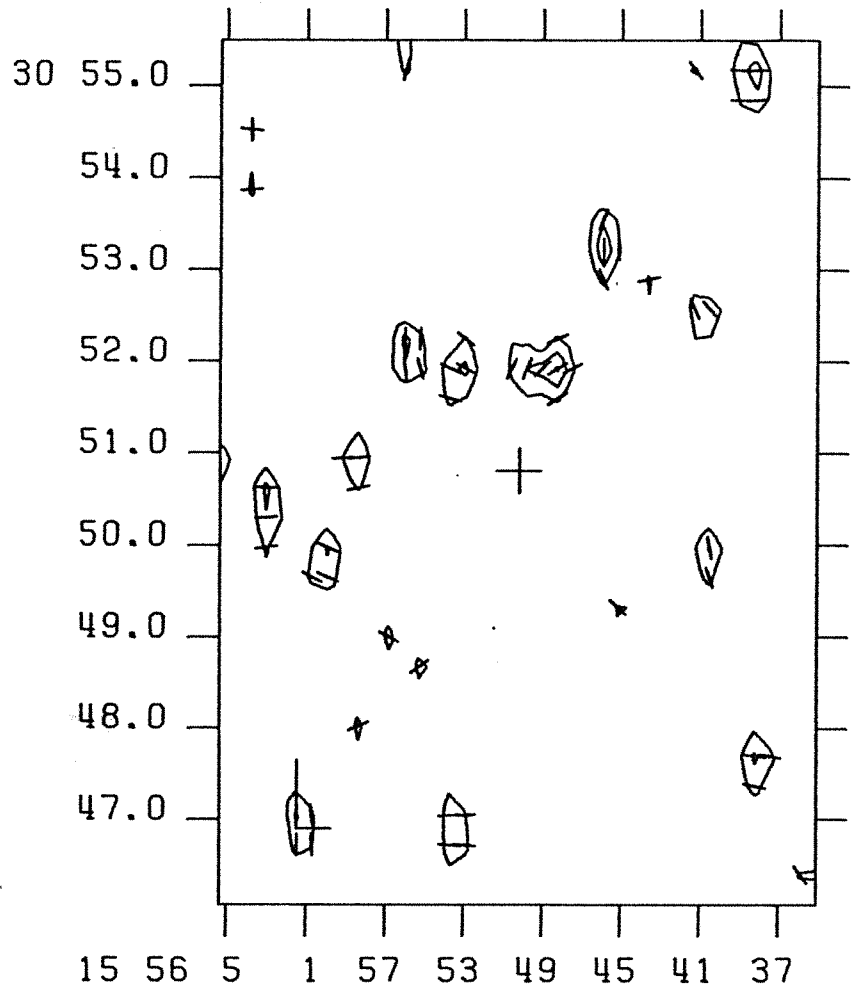
0. SUBTR.

CLEAN

CONT.LEV.15+15 MJY .155530



CONT.LEV. 4+ 2 MJY 1555+30



WC115.155530B

15 55 50.2 30 50 47.0 SMAX=8.7 M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

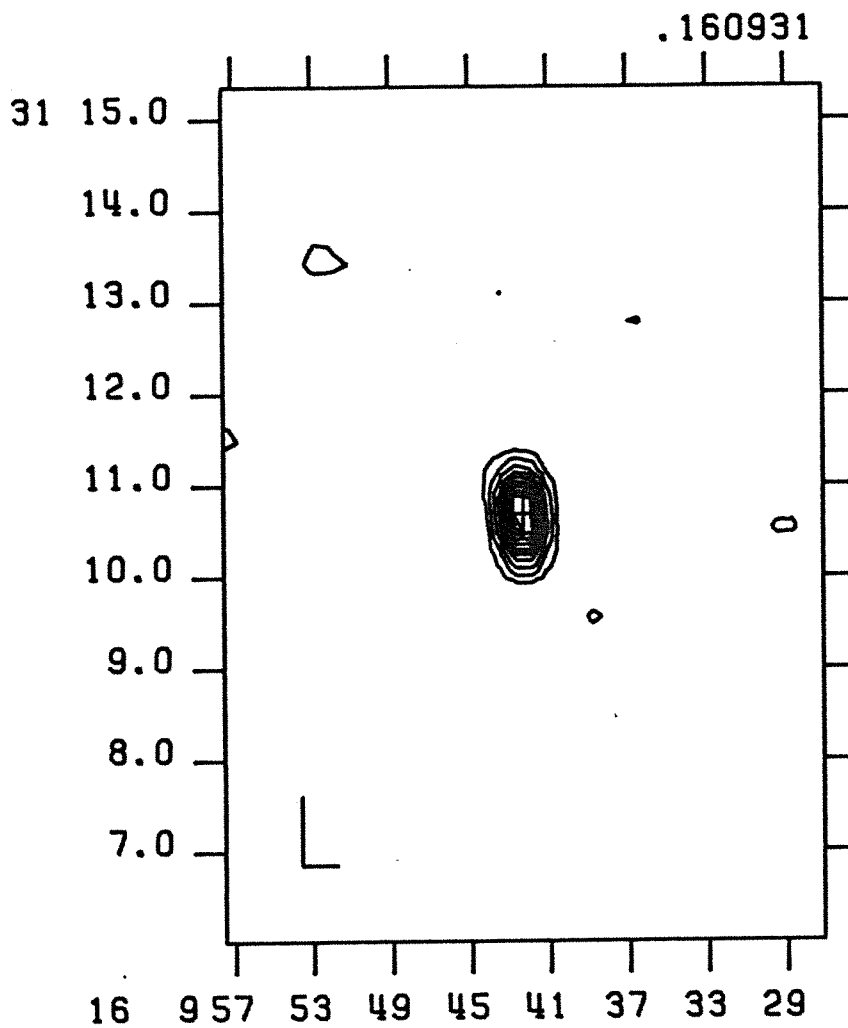
CONT.LEV.= (4.0 6.0 8.0 +2)M.F.U.

TAPER= 23.0 BEAM= (23.1X45.1) NOISE (1XR.M.S.)= 0.8 W.U.

DSN=1555+30

0. SUBTR.

CLEAN



WC115.160931

16 9 42.3 31 10 41.0 SMAX=101.7M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

CONT.LEV.= (10.0 20.0 30.0 +10M.F.U.

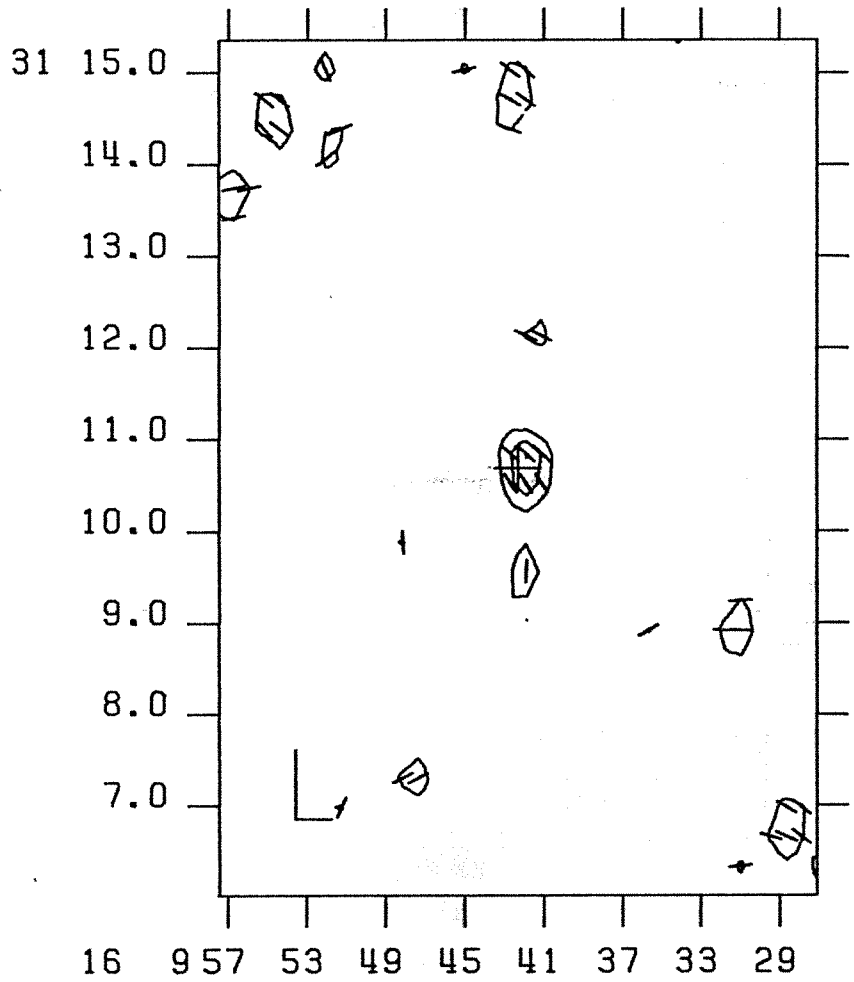
TAPER= 23.0 BEAM= (23.7X45.8) NOISE (1XR.M.S.)= 0.9 W.U.

OSN=C160931.CH1

0. SUBTR.

CLEAN

CONT.LEV. 4+ 3 MJY 1609+31



WC115.160931

16 9 42.3 31 10 41.0 SMAX=10.1 M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

CONT.LEV.= (4.0 7.0 10.0 +3) M.F.U.

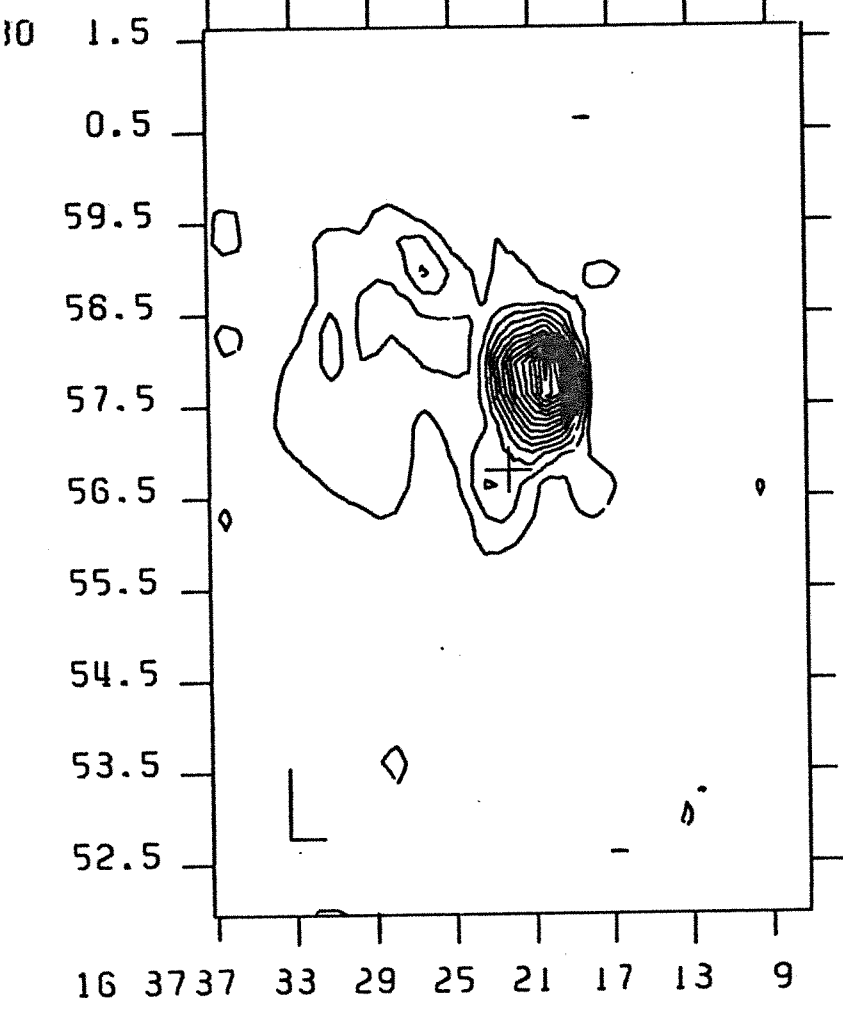
TAPER= 23.0 BEAM= (23.8X45.9) NOISE (1XR.M.S.)= 0.7 W.U.

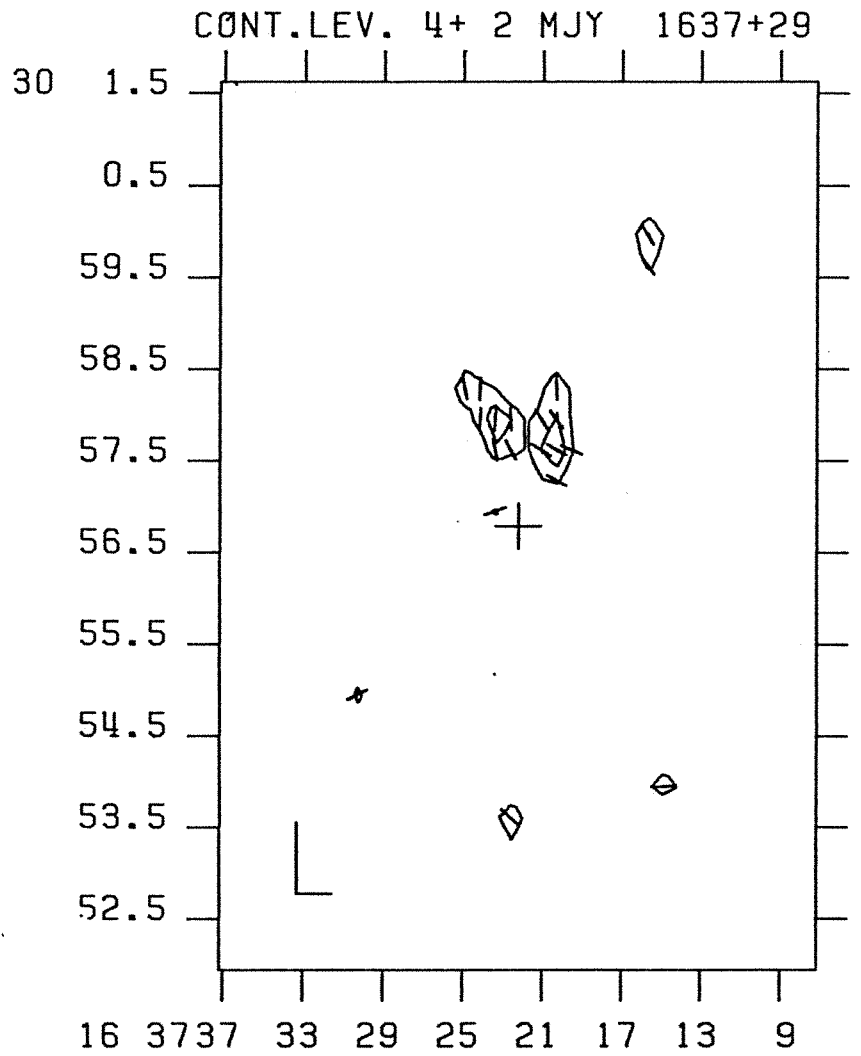
DSN=1609+31

0. SUBTR.

CLEAN

CONT.LEV. 5+ 5 MJY .163729





WC115.163729

16 37 22.2 29 56 46.9 SMAX=7.8 M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

CONT.LEV.= (4.0 6.0 8.0 +2) M.F.U.

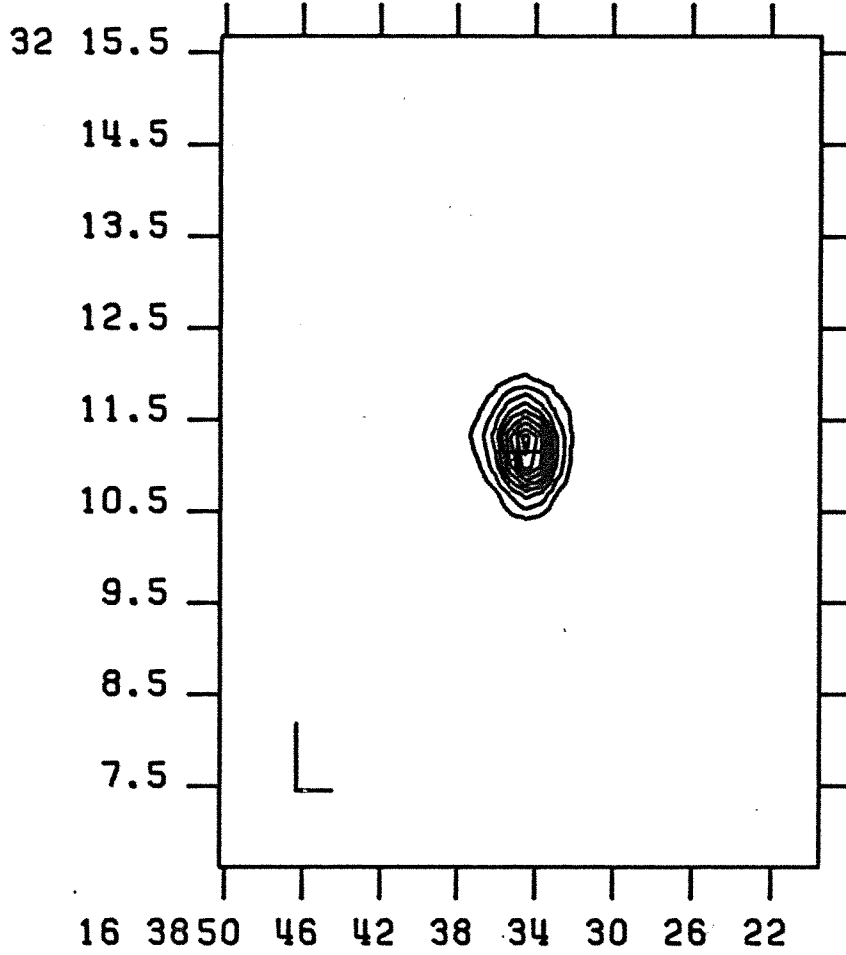
TAPER= 23.0 BEAM= (23.3X46.8) NOISE (1XR.M.S.)= 0.6 W.U.

DSN=1637+29

0. SUBTR.

CLEAN

.163832



WC115.163832

16 38 34.9 32 11 8.9 SHAX=189.5M.F.U.

1 CH= 50.0 (R.A.) 50.0 (DEC) ARCSEC

CONT.LEV.= (20.0 40.0 60.0 +20M.F.U.

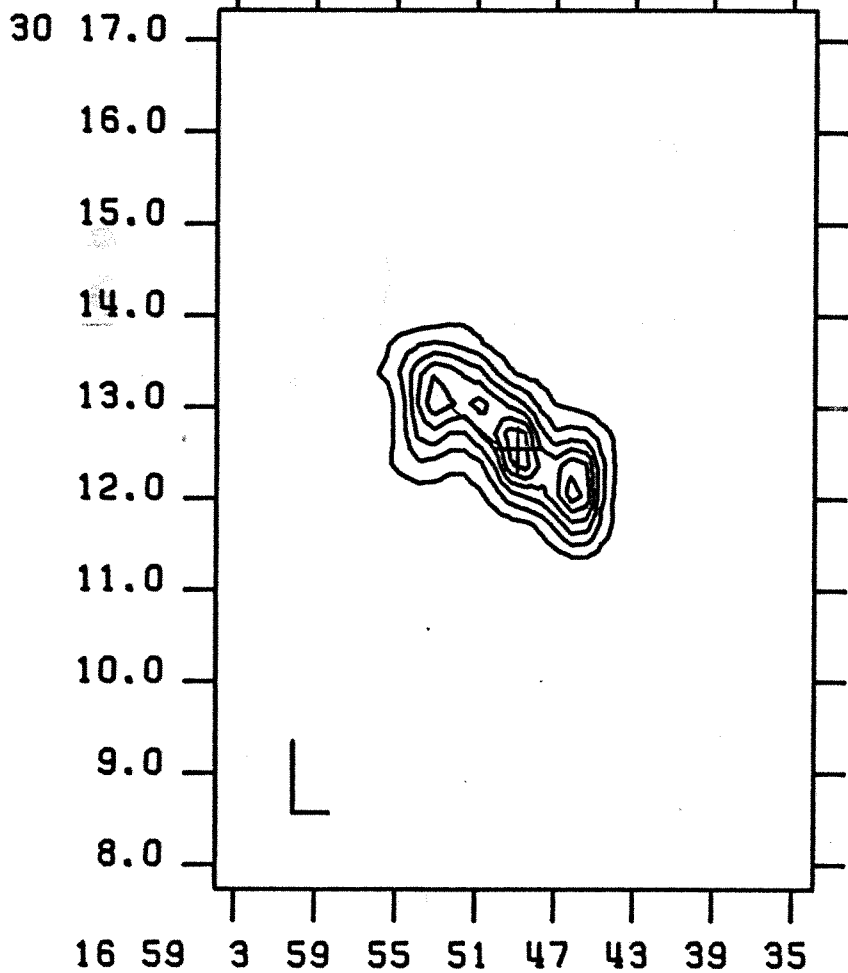
TAPER= 23.0 BEAM= (23.6X44.4) NOISE (1XA.M.S.)= 0.9 W.U.

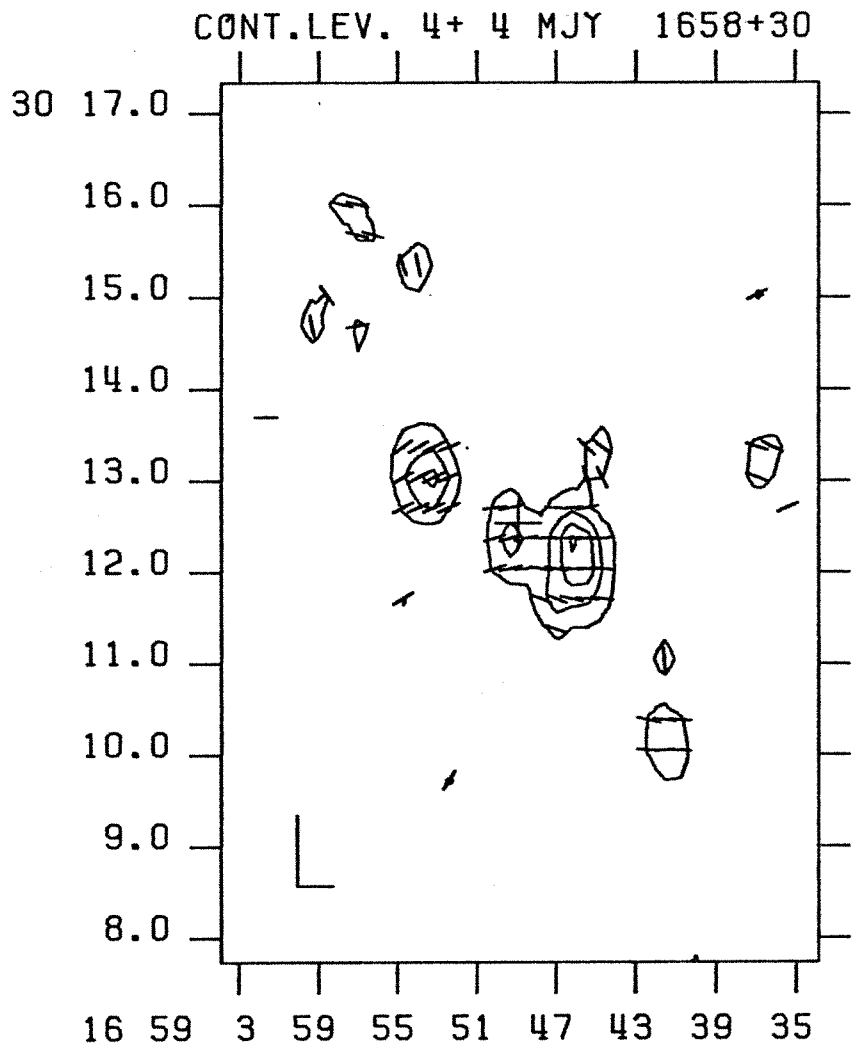
OSN=C163832.CH1

0. SUBTR.

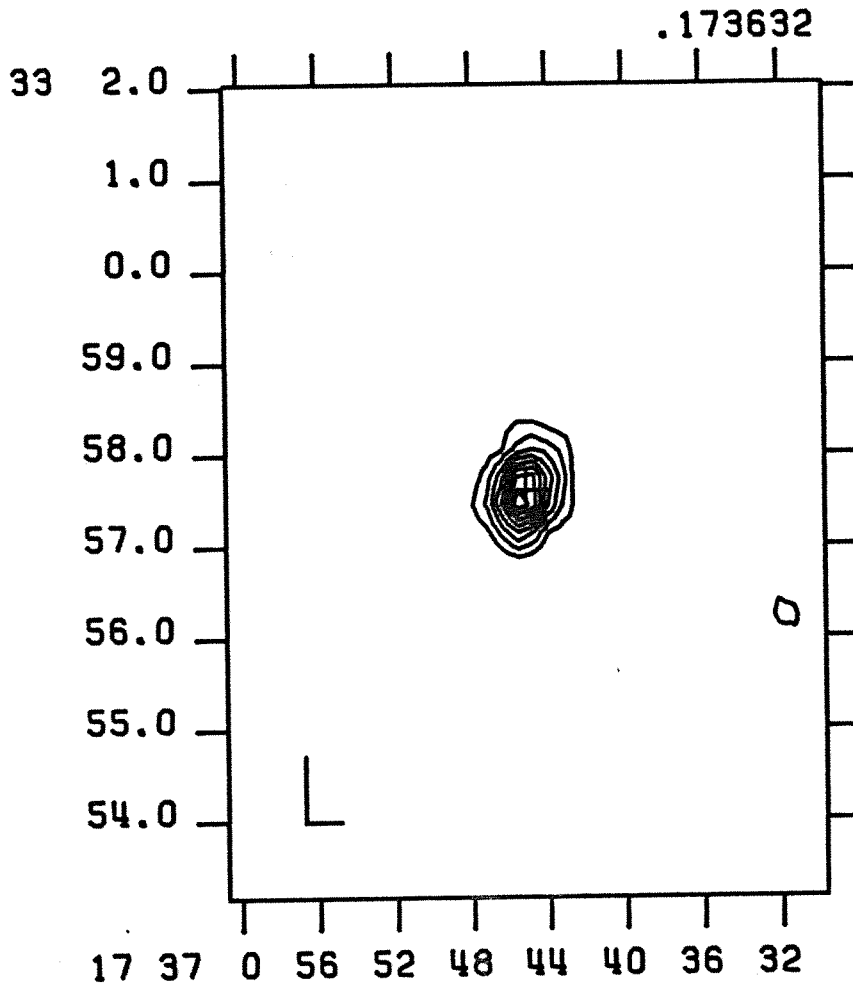
CLEAN

CONT. LEV.15+15 MJY .165830

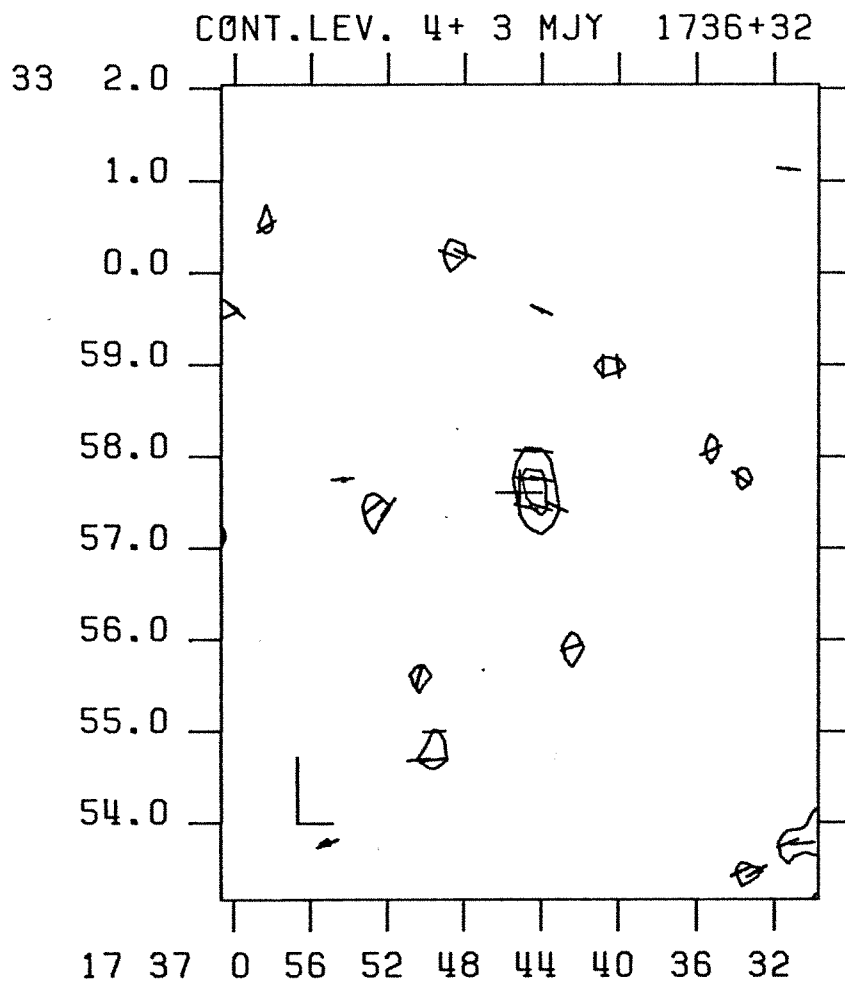




WC115.165830 16 58 48.9 30 12 32.0 SMAX=16.6 M.F.U.
 1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC
 CONT.LEV.= (4.0 8.0 12.0 +4) M.F.U.
 TAPER= 23.0 BEAM= (23.4X46.6) NOISE (1XR.M.S.)= 0.7 W.U.
 DSN=1658+30 0. SUBTR. *CLEAN*



WC115.173632 17 36 45.2 32 57 36.0 SMAX=129.6M.F.U.
 1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC
 CONT.LEV.=1 15.0 30.0 45.0 +19M.F.U.
 TAPEA= 23.0 BEAM=(23.7X43.5) NOISE(1XA.M.S.)= 0.8 W.U.
 OSN=C173632.CH1 0. SUBTR. *CLEAN*



WC115.173632

17 36 45.2 32 57 36.0 SMAX=8.4 M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

CONT.LEV.= (4.0 7.0 10.0 +3) M.F.U.

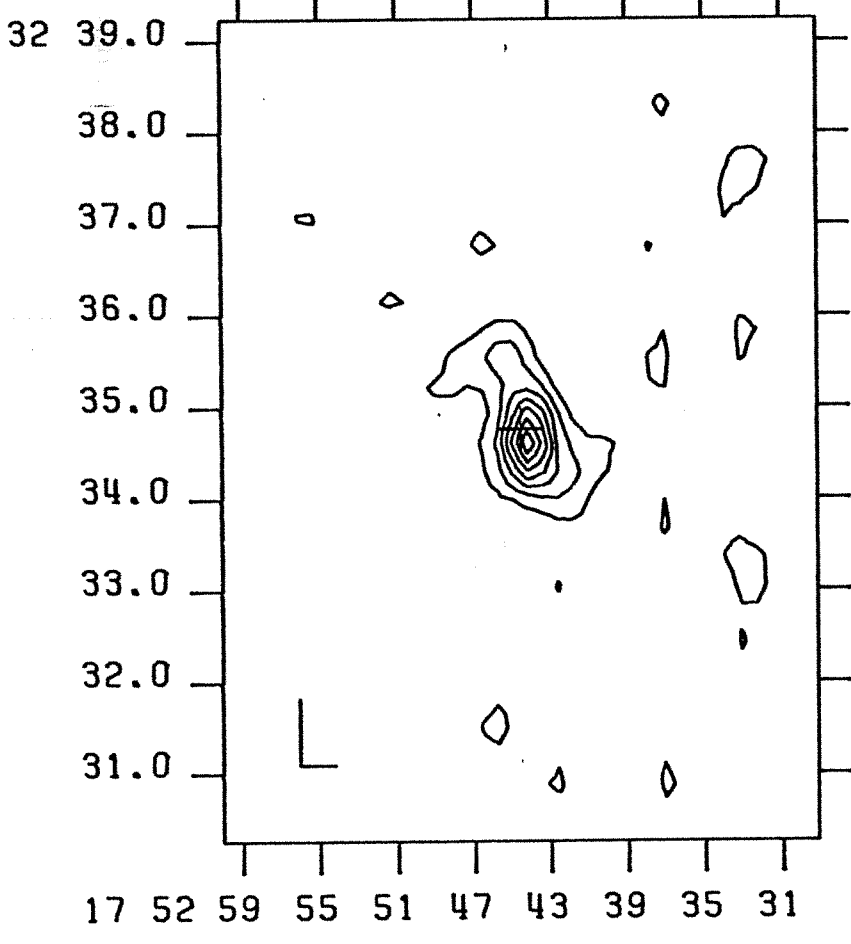
TAPER= 23.0 BEAM= (23.7X43.5) NOISE (1XR.M.S.)= 0.7 W.U.

DSN=1736+32

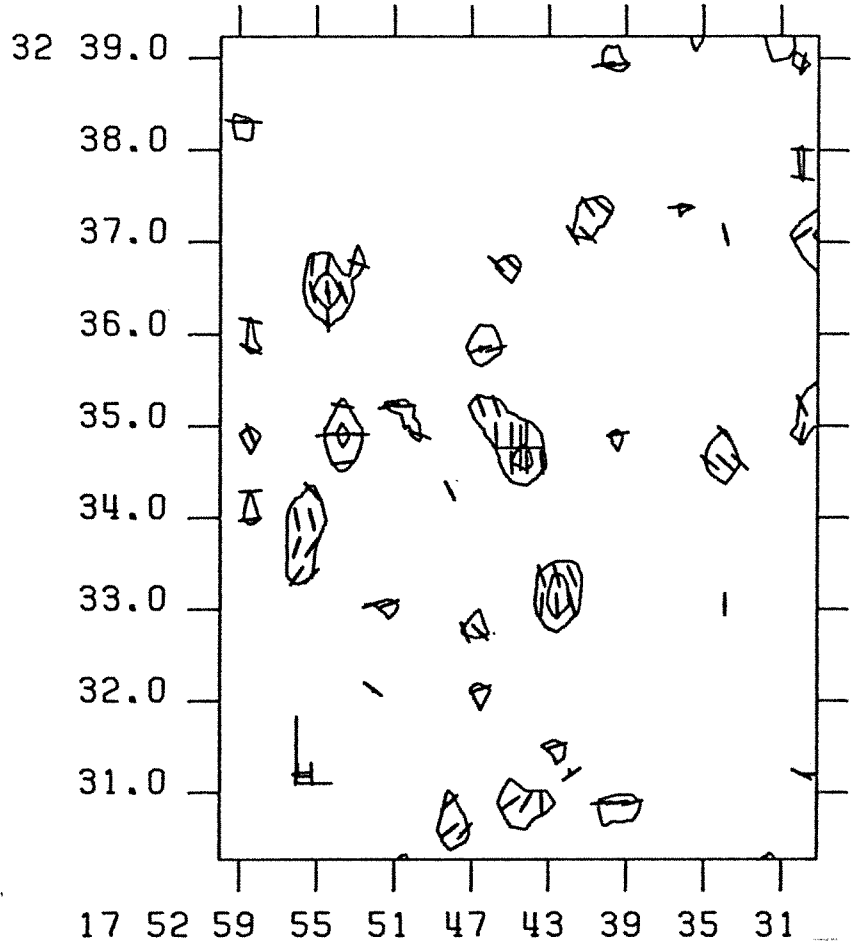
0. SUBTRA.

CLEAN

CONT.LEV. 6+ 6 MJY .175232



CONT.LEV. 3+ 2 MJY 1752+32



WC115.175232B

17 52 44.5 32 34 45.0 SMAX=7.4 M.F.U.

1 CM= 50.0 (R.A.) 50.0 (DEC) ARCSEC

CONT.LEV.= (3.0 5.0 7.0 +2) M.F.U.

TAPER= 23.0 BEAM= (23.5X43.7) NOISE (1XR.M.S.)= 0.7 W.U.

DSN=1752+32

0. SUBTR.

CLEAN

2000

2000