REGIONE
TOSCANA

**Direzione Generale delle Politiche
Territoriali e Ambientali
Coordinamento Regionale Prevenzione Sismica**

PROTEZIONE CIVILE
NAZIONALE

MICROZONAZIONE SISMICA
DELLA CONCA AQUILANA
(terremoto 06-04-2009)

Relazione tecnica finale di sintesi - Macroarea 9

ALLEGATO 7b - INDAGINI DI SISMICA A RIFRAZIONE CON ONDE P E SH (Univ. di Chieti)

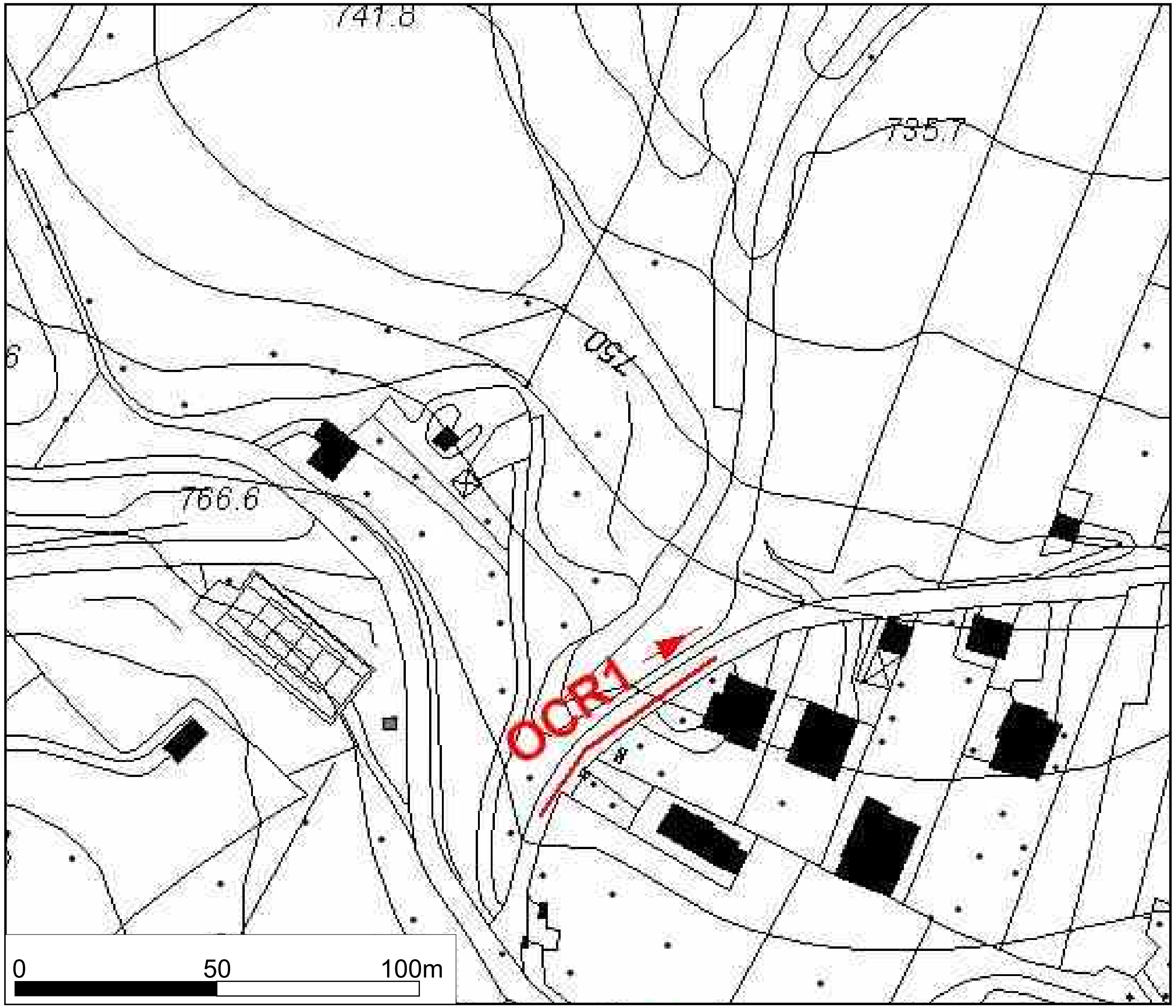

741.8
735.7
750
6
766.6
OCR1
0
50
100m

Fig.1 - Planimetria linea sismica OCR1 - Comune di Ocre (AQ), Loc. San Felice d’Ocre

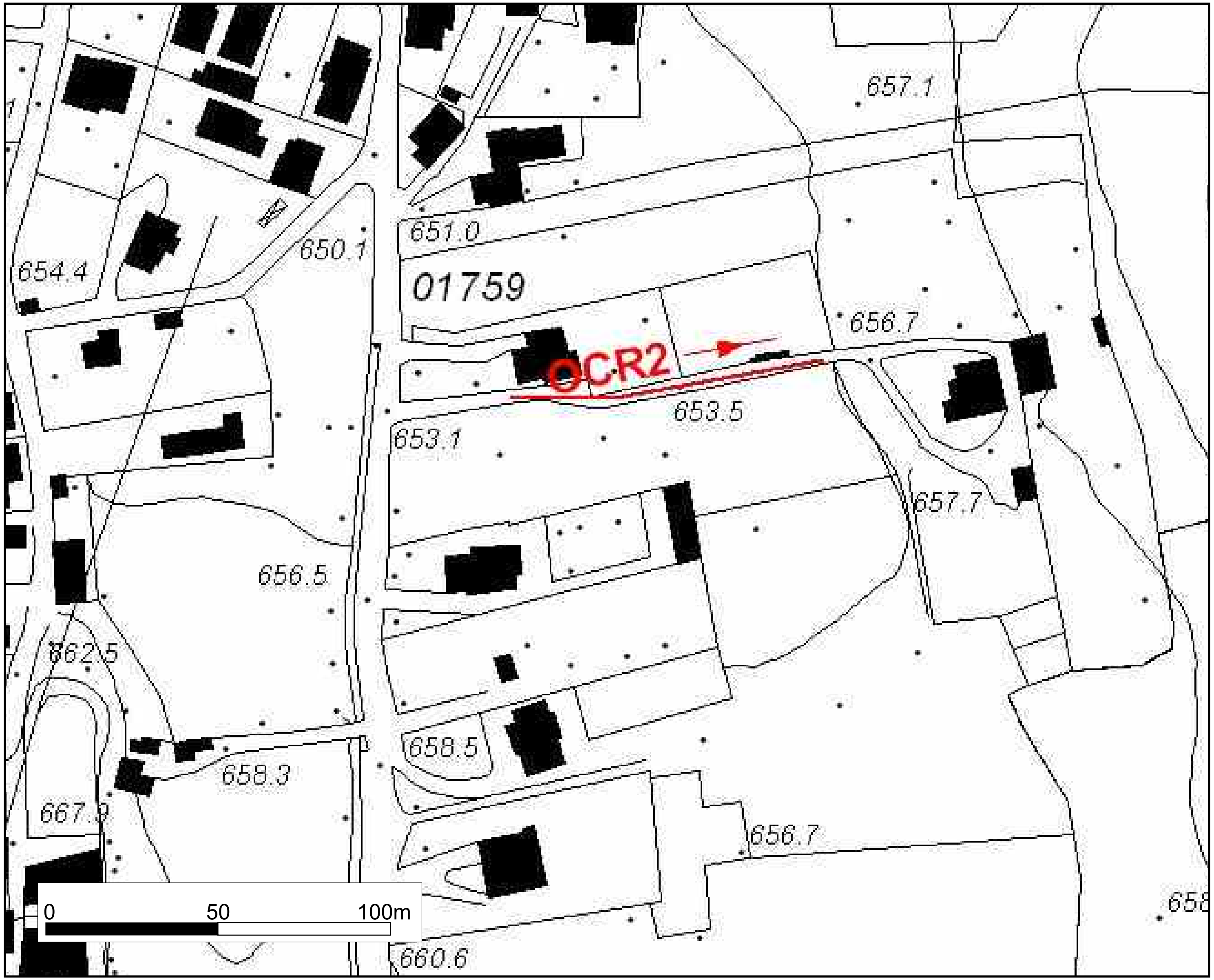

657.1
651.0
650.1
654.4
01759
656.7
OCR2
653.5
653.1
657.7
656.5
662.5
658.5
658.3
667.9
656.7
658
660.6
0
50
100m

Fig.2 - Planimetria linea sismica OCR2 - Comune di Ocre (AQ), Loc. Valle

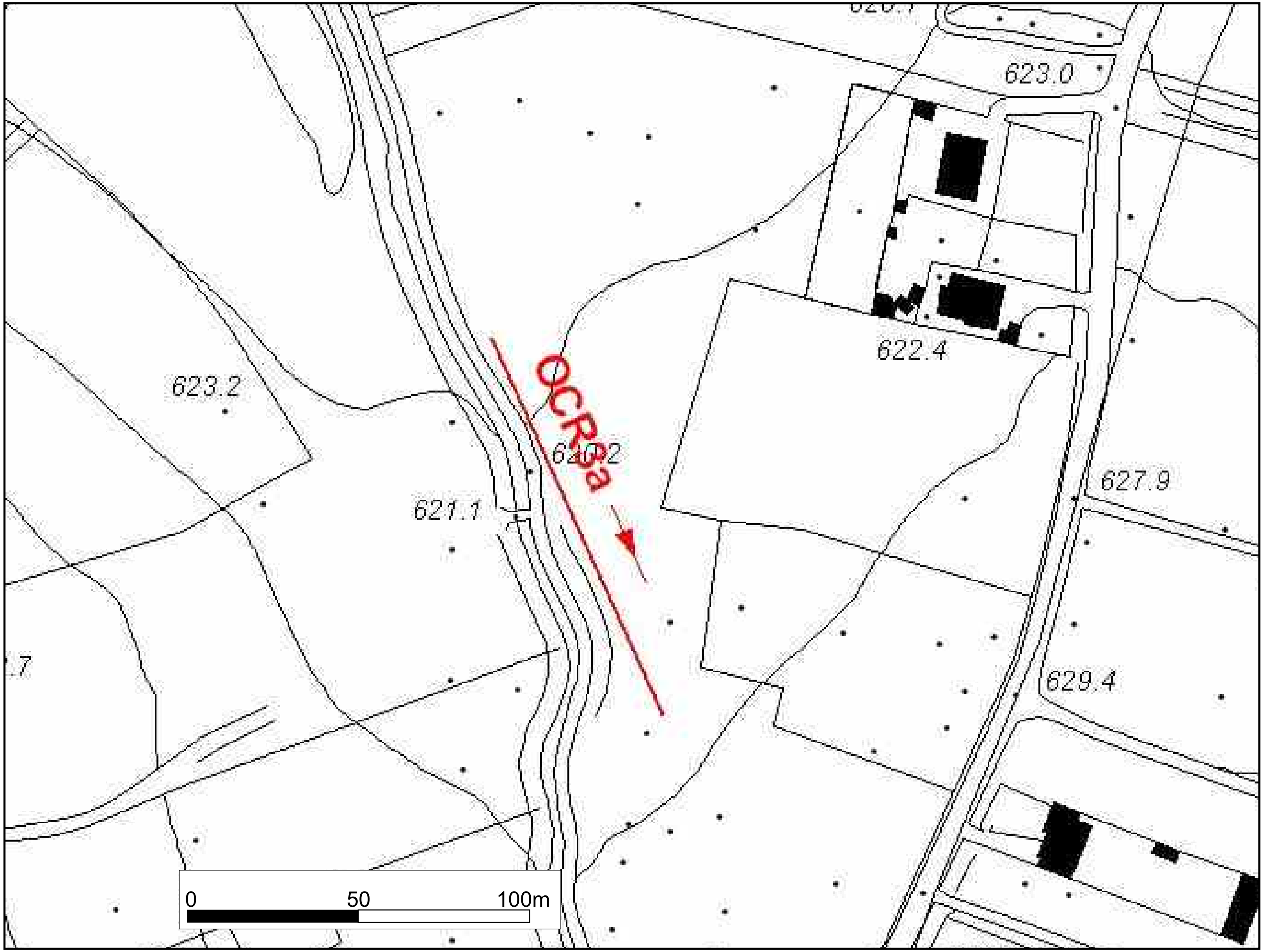

623.0
622.4
623.2
OCR3a
621.1
627.9
629.4
.7
0
50
100m

Fig.3 - Planimetria linea sismica OCR3 - Comune di Ocre (AQ), Loc. Cavalletto

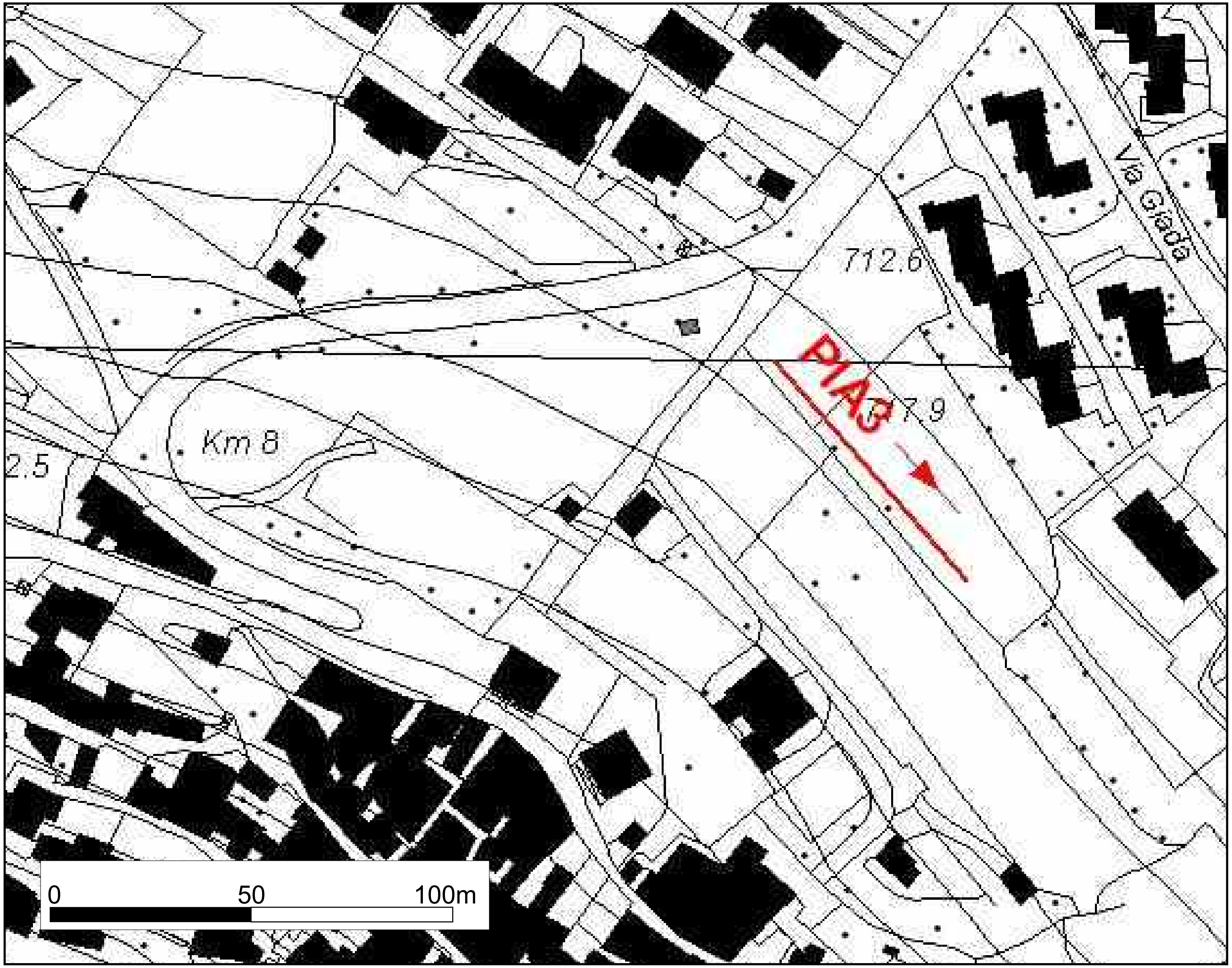

Via Giada
712.6
PIA3
7.9
Km 8
2.5
0
50
100m

Fig.5 - Planimetria linea sismica PIA3 - Comune dell'Aquila, Loc. Pianola

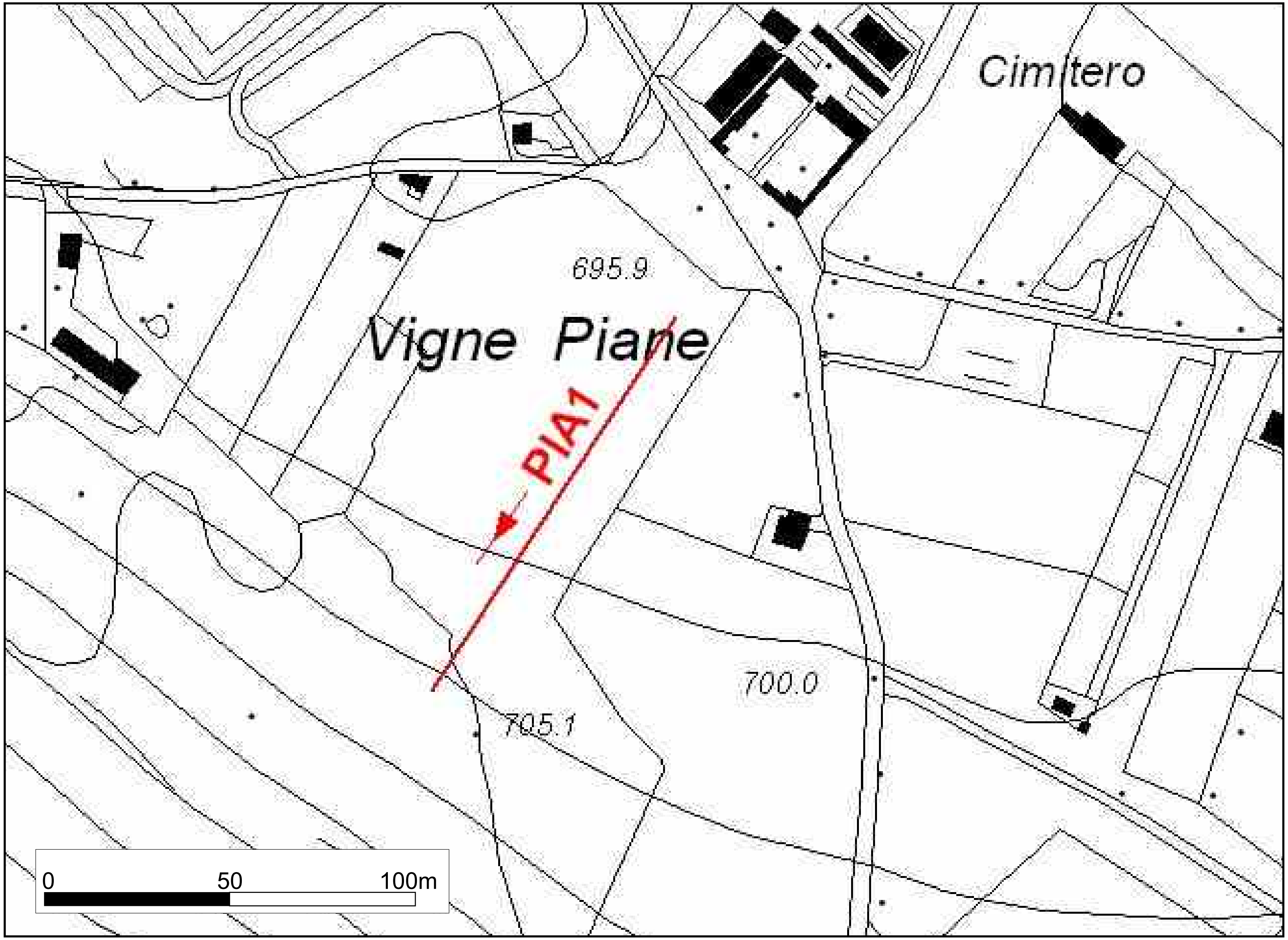

Cimitero
695.9
Vigne Piane
PIA1
700.0
705.1
0
50
100m

Fig.5 - Planimetria linea sismica PIA3 - Comune dell’Aquila, Loc. Pianola

COMUNE DI OCRE - LINEA SISMICA A RIFRAZIONE OCR1 - ONDE P
GEOMETRIA D’ACQUISIZIONE E TEMPI D’ARRIVO

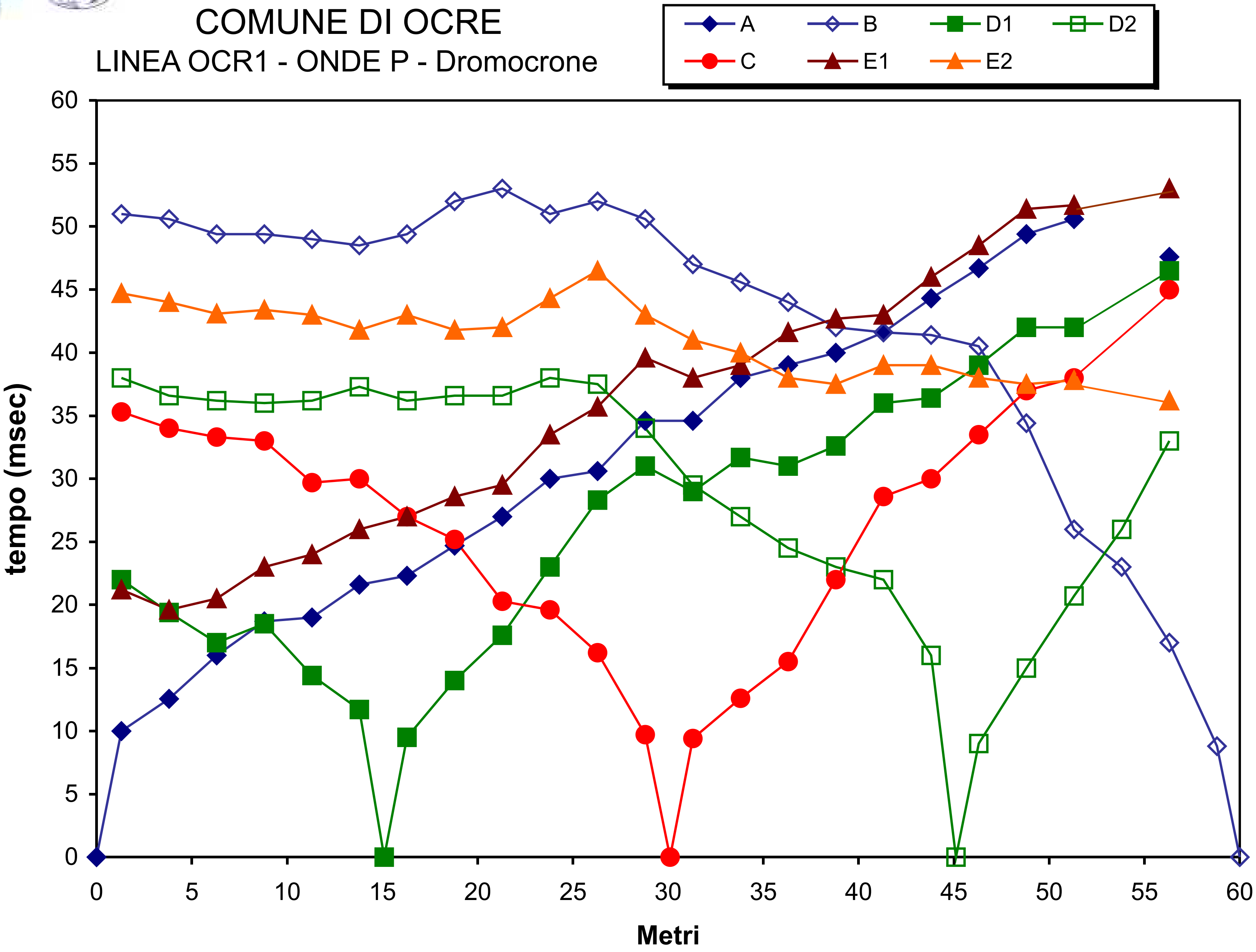
E1 (-10metri)			**A** (0 metri)			**D1** (15.1 metri)			**C** (30.1 metri)			**D2** (45.1 metri)			**B** (60 metri)			**E2** (70metri)		
n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo
1	1.3	21.20	1	1.3	10.00	1	1.3	22.00	1	1.3	35.30	1	1.3	38.0	1	1.3	51.00	1	1.3	75.00
2	3.8	19.60	2	3.8	12.54	2	3.8	19.40	2	3.8	34.00	2	3.8	36.6	2	3.8	50.60	2	3.8	73.00
3	6.3	20.50	3	6.3	16.00	3	6.3	17.00	3	6.3	33.30	3	6.3	36.2	3	6.3	49.40	3	6.3	71.00
4	8.8	23.00	4	8.8	18.70	4	8.8	18.50	4	8.8	33.00	4	8.8	36.0	4	8.8	49.40	4	8.8	69.00
5	11.3	24.00	5	11.3	19.00	5	11.3	14.40	5	11.3	29.70	5	11.3	36.2	5	11.3	49.00	5	11.3	71.00
6	13.8	26.00	6	13.8	21.60	6	13.8	11.70	6	13.8	30.00	6	13.8	37.3	6	13.8	48.50	6	13.8	71.00
7	16.3	27.00	7	16.3	22.30	7	16.3	9.50	7	16.3	27.00	7	16.3	36.2	7	16.3	49.40	7	16.3	69.00
8	18.8	28.60	8	18.8	24.70	8	18.8	14.00	8	18.8	25.20	8	18.8	36.6	8	18.8	52.00	8	18.8	70.00
9	21.3	29.50	9	21.3	27.00	9	21.3	17.60	9	21.3	20.30	9	21.3	36.6	9	21.3	53.00	9	21.3	72.00
10	23.8	33.50	10	23.8	30.00	10	23.8	23.00	10	23.8	19.60	10	23.8	38.0	10	23.8	51.00	10	23.8	73.70
11	26.3	35.70	11	26.3	30.60	11	26.3	28.30	11	26.3	16.20	11	26.3	37.5	11	26.3	52.00	11	26.3	70.00
12	28.8	39.60	12	28.8	34.60	12	28.8	31.00	12	28.8	9.70	12	28.8	34.0	12	28.8	50.60	12	28.8	69.00
13	31.3	38.00	13	31.3	34.60	13	31.3	29.00	13	31.3	9.40	13	31.3	29.5	13	31.3	47.00	13	31.3	70.00
14	33.8	39.00	14	33.8	38.00	14	33.8	31.70	14	33.8	12.60	14	33.8	27.0	14	33.8	45.60	14	33.8	68.00
15	36.3	41.60	15	36.3	39.00	15	36.3	31.00	15	36.3	15.50	15	36.3	24.5	15	36.3	44.00	15	36.3	-
16	38.8	42.70	16	38.8	40.00	16	38.8	32.60	16	38.8	22.00	16	38.8	23.0	16	38.8	42.00	16	38.8	-
17	41.3	43.00	17	41.3	41.60	17	41.3	36.00	17	41.3	28.60	17	41.3	22.0	17	41.3	41.60	17	41.3	-
18	43.8	46.00	18	43.8	44.30	18	43.8	36.40	18	43.8	30.00	18	43.8	16.0	18	43.8	41.40	18	43.8	-
19	46.3	48.50	19	46.3	46.70	19	46.3	39.00	19	46.3	33.50	19	46.3	9.0	19	46.3	40.50	19	46.3	-
20	48.8	51.40	20	48.8	49.40	20	48.8	42.00	20	48.8	37.00	20	48.8	15.0	20	48.8	34.40	20	48.8	-
21	51.3	51.70	21	51.3	50.60	21	51.3	42.00	21	51.3	38.00	21	51.3	20.7	21	51.3	26.00	21	51.3	-
22	53.8	-	22	53.8	-	22	53.8	-	22	53.8	-	22	53.8	26.0	22	53.8	23.00	22	53.8	-
23	56.3	53.00	23	56.3	47.60	23	56.3	46.50	23	56.3	45.00	23	56.3	33.0	23	56.3	17.00	23	56.3	-
24	58.8	-	24	58.8	-	24	58.8	-	24	58.8	-	24	58.8	-	24	58.8	8.80	24	58.8	-

COMUNE DI OCRE - LINEA SISMICA A RIFRAZIONE OCR1 - ONDE SH
GEOMETRIA D’ACQUISIZIONE E TEMPI D’ARRIVO

E1 (-10metri)			**A** (0 metri)			**D1** (15.1 metri)			**C** (30.1 metri)			**D2** (45.1 metri)			**B** (60 metri)			**E2** (70metri)		
n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo
1	1.3	35.00	1	1.3	12.00	1	1.3	33.00	1	1.3	45.60	1	1.3	66.00	1	1.3	66.00	1	1.3	44.70
2	3.8	37.00	2	3.8	18.00	2	3.8	30.00	2	3.8	43.30	2	3.8	62.00	2	3.8	65.00	2	3.8	44.00
3	6.3	39.00	3	6.3	23.00	3	6.3	27.00	3	6.3	42.40	3	6.3	61.00	3	6.3	62.00	3	6.3	43.10
4	8.8	41.00	4	8.8	27.00	4	8.8	24.00	4	8.8	42.00	4	8.8	60.00	4	8.8	61.00	4	8.8	43.40
5	11.3	44.00	5	11.3	32.50	5	11.3	18.60	5	11.3	42.70	5	11.3	61.00	5	11.3	61.00	5	11.3	43.00
6	13.8	41.00	6	13.8	37.00	6	13.8	10.50	6	13.8	36.00	6	13.8	58.00	6	13.8	60.50	6	13.8	41.80
7	16.3	45.00	7	16.3	38.00	7	16.3	9.40	7	16.3	37.00	7	16.3	58.00	7	16.3	59.00	7	16.3	43.00
8	18.8	45.00	8	18.8	38.00	8	18.8	16.60	8	18.8	34.00	8	18.8	55.00	8	18.8	59.00	8	18.8	41.80
9	21.3	50.00	9	21.3	44.00	9	21.3	27.50	9	21.3	29.50	9	21.3	56.00	9	21.3	57.00	9	21.3	42.00
10	23.8	55.00	10	23.8	48.00	10	23.8	33.00	10	23.8	26.00	10	23.8	54.00	10	23.8	55.00	10	23.8	44.30
11	26.3	57.00	11	26.3	49.00	11	26.3	37.00	11	26.3	16.00	11	26.3	52.00	11	26.3	56.00	11	26.3	46.50
12	28.8	61.00	12	28.8	50.00	12	28.8	43.00	12	28.8	9.70	12	28.8	53.00	12	28.8	56.00	12	28.8	43.00
13	31.3	59.00	13	31.3	52.00	13	31.3	43.00	13	31.3	9.40	13	31.3	49.00	13	31.3	51.00	13	31.3	41.00
14	33.8	61.00	14	33.8	54.00	14	33.8	45.00	14	33.8	13.00	14	33.8	44.00	14	33.8	49.00	14	33.8	40.00
15	36.3	66.00	15	36.3	56.00	15	36.3	49.00	15	36.3	27.00	15	36.3	44.00	15	36.3	49.00	15	36.3	38.00
16	38.8	69.00	16	38.8	59.00	16	38.8	49.00	16	38.8	33.00	16	38.8	42.00	16	38.8	45.60	16	38.8	37.50
17	41.3	70.00	17	41.3	61.00	17	41.3	52.00	17	41.3	37.00	17	41.3	31.00	17	41.3	45.90	17	41.3	39.00
18	43.8	73.00	18	43.8	64.00	18	43.8	54.00	18	43.8	46.00	18	43.8	15.00	18	43.8	46.00	18	43.8	39.00
19	46.3	79.00	19	46.3	65.00	19	46.3	62.00	19	46.3	51.00	19	46.3	17.00	19	46.3	44.00	19	46.3	38.00
20	48.8	79.70	20	48.8	68.00	20	48.8	65.00	20	48.8	54.00	20	48.8	30.00	20	48.8	37.00	20	48.8	37.50
21	51.3	83.50	21	51.3	68.00	21	51.3	65.00	21	51.3	57.00	21	51.3	45.00	21	51.3	32.00	21	51.3	37.80
22	53.8	-	22	53.8	-	22	53.8	-	22	53.8	-	22	53.8	-	22	53.8	-	22	53.8	-
23	56.3	88.60	23	56.3	74.90	23	56.3	69.00	23	56.3	67.70	23	56.3	45.00	23	56.3	14.00	23	56.3	36.20
24	58.8	-	24	58.8	-	24	58.8	-	24	58.8	-	24	58.8	-	24	58.8	-	24	58.8	-

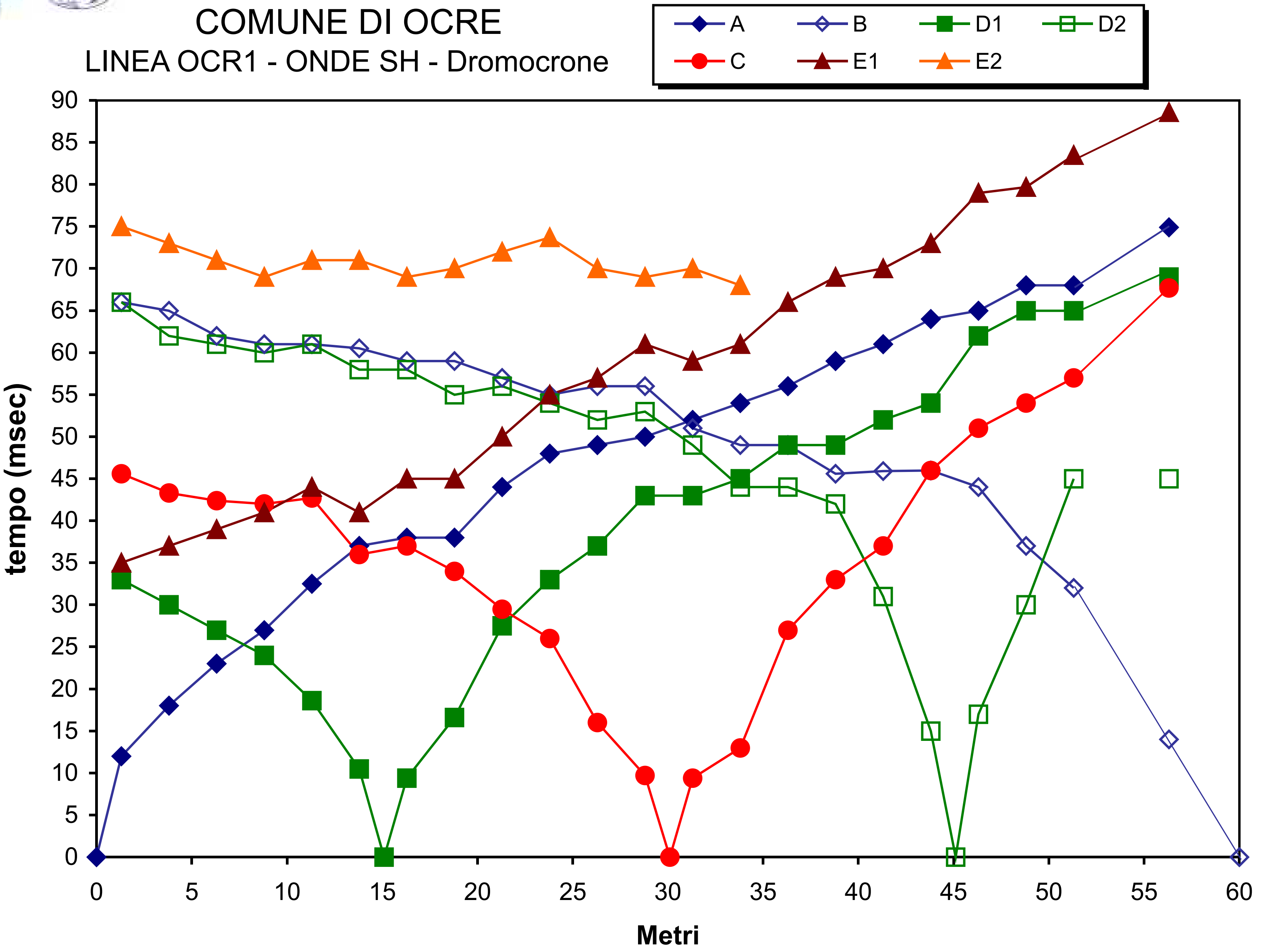
COMUNE DI OCRE

LINEA OCR1 - ONDE P - Dromocrone



COMUNE DI OCRE

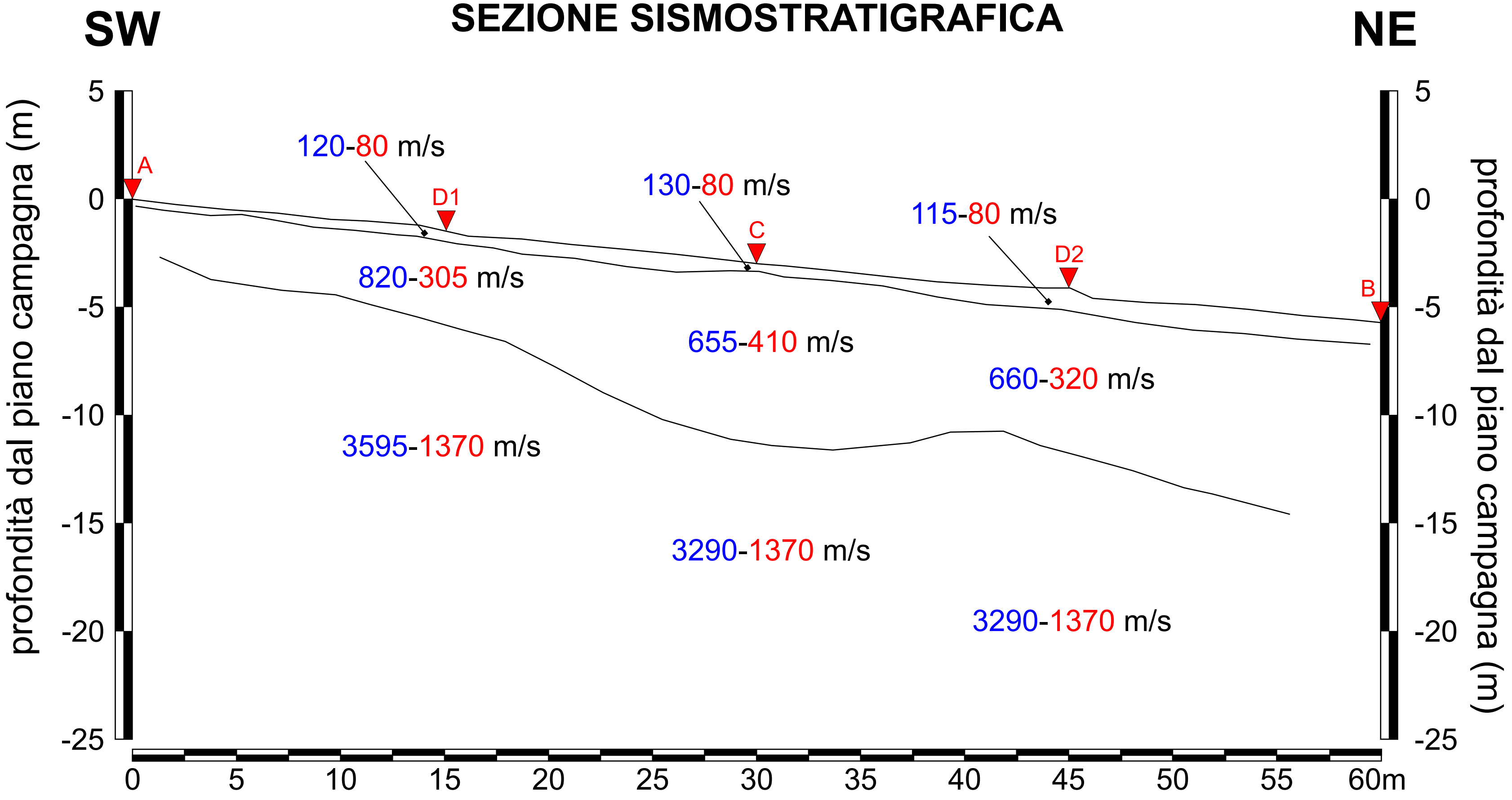
LINEA OCR1 - ONDE SH - Dromocrone



Dir. Gen. delle Politiche Territoriali e Ambientali **Coordinamento regionale Prevenzione sismica**	**PROGETTO:** microzonazione sismica per la ricostruzione (terremoto dell'Aquila 06-04-2009) Macroarea 9 - Task 4 (Geofisica)	DATA ESECUZIONE: 25/06/2009	ELABORAZIONE DATI: Regione Toscana - CeRS-Geo UD'A Chieti-Pescara
CeRS-Geo Università "G. D'Annunzio, Chieti-Pescara		ESECUZIONE: CeRS-Geo UD'A Chieti-Pescara	ALLESTIMENTO GRAFICO: Vittorio D'Intinosante (Regione Toscana)

STESA SISMICA A RIFRAZIONE OCR1 - ONDE P ed SH
Ocre (AQ) - Loc. San Felice d'Ocre

SEZIONE SISMOSTRATIGRAFICA


SW
NE
profondità dal piano campagna (m)
5
0
-5
-10
-15
-20
-25
A
D1
C
D2
B
120-80 m/s
130-80 m/s
115-80 m/s
820-305 m/s
655-410 m/s
660-320 m/s
3595-1370 m/s
3290-1370 m/s
3290-1370 m/s
0
5
10
15
20
25
30
35
40
45
50
55
60m
profondità dal piano campagna (m)

Legenda

120 m/s Velocità sismica onde P in metri al secondo

80 m/s Velocità sismica onde SH in metri al secondo

A ▼ Punti di scoppio interni alla stesa sismica

COMUNE DI OCRE - LINEA SISMICA A RIFRAZIONE OCR2 - ONDE P
GEOMETRIA D'ACQUISIZIONE E TEMPI D'ARRIVO

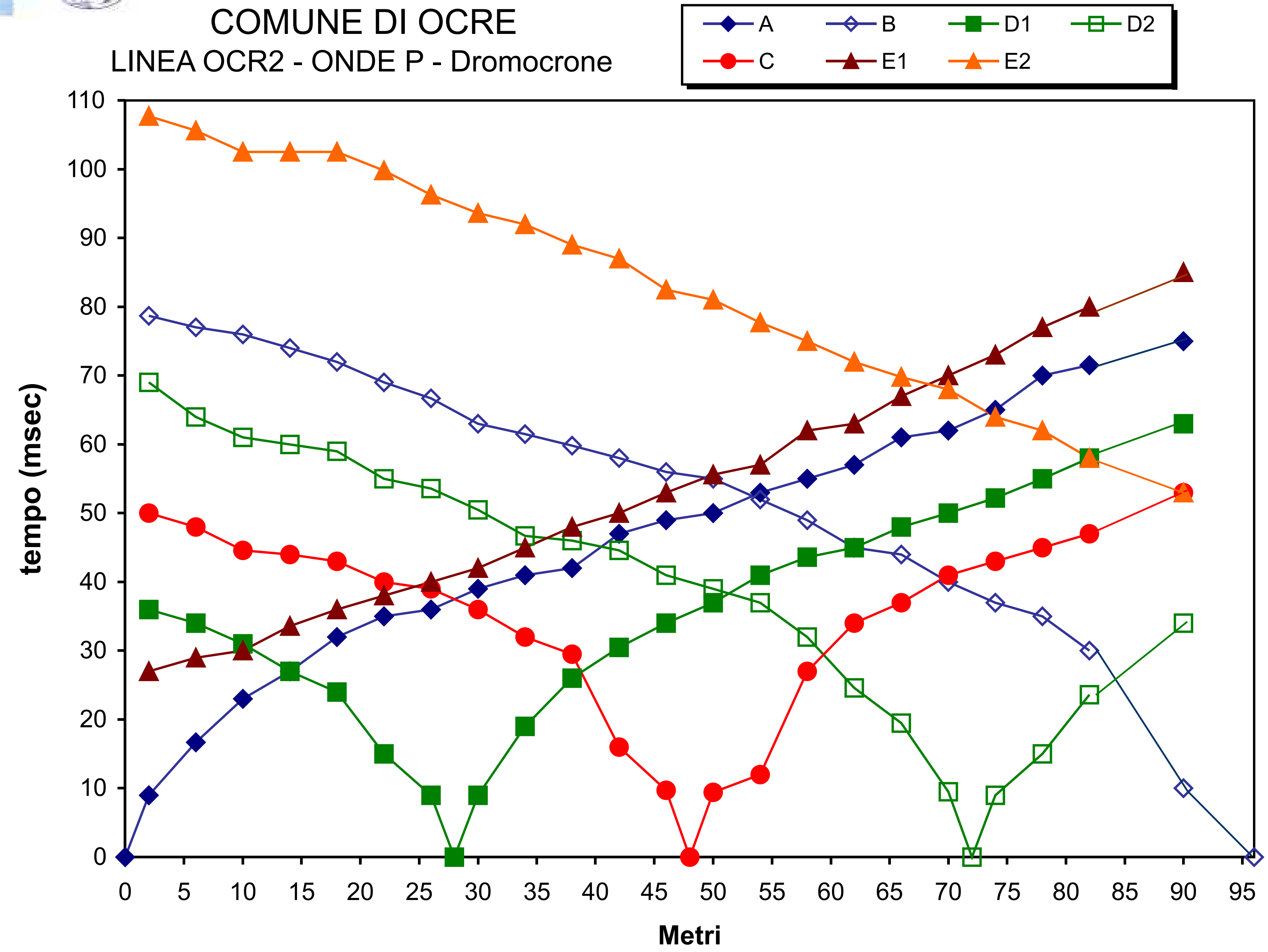
E1 (-18metri)			**A** (0 metri)			**D1** (28 metri)			**C** (48 metri)			**D2** (72 metri)			**B** (96 metri)			**E2** (134metri)		
n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo
1	2.0	27.00	1	2.0	9.00	1	2.0	36.00	1	2.0	50.00	1	2.0	69.00	1	2.0	78.70	1	2.0	107.70
2	6.0	29.00	2	6.0	16.70	2	6.0	34.00	2	6.0	48.00	2	6.0	64.00	2	6.0	77.00	2	6.0	105.60
3	10.0	30.00	3	10.0	23.00	3	10.0	31.00	3	10.0	44.60	3	10.0	61.00	3	10.0	76.00	3	10.0	102.50
4	14.0	33.60	4	14.0	27.00	4	14.0	27.00	4	14.0	44.00	4	14.0	60.00	4	14.0	74.00	4	14.0	102.50
5	18.0	36.00	5	18.0	32.00	5	18.0	24.00	5	18.0	43.00	5	18.0	59.00	5	18.0	72.00	5	18.0	102.50
6	22.0	38.00	6	22.0	35.00	6	22.0	15.00	6	22.0	40.00	6	22.0	55.00	6	22.0	69.00	6	22.0	99.80
7	26.0	40.00	7	26.0	36.00	7	26.0	9.00	7	26.0	39.00	7	26.0	53.60	7	26.0	66.70	7	26.0	96.30
8	30.0	42.00	8	30.0	39.00	8	30.0	9.00	8	30.0	36.00	8	30.0	50.50	8	30.0	63.00	8	30.0	93.60
9	34.0	45.00	9	34.0	41.00	9	34.0	19.00	9	34.0	32.00	9	34.0	46.70	9	34.0	61.50	9	34.0	92.00
10	38.0	48.00	10	38.0	42.00	10	38.0	26.00	10	38.0	29.50	10	38.0	46.00	10	38.0	59.80	10	38.0	89.00
11	42.0	50.00	11	42.0	47.00	11	42.0	30.50	11	42.0	16.00	11	42.0	44.60	11	42.0	58.00	11	42.0	87.00
12	46.0	53.00	12	46.0	49.00	12	46.0	34.00	12	46.0	9.70	12	46.0	41.00	12	46.0	56.00	12	46.0	82.50
13	50.0	55.60	13	50.0	50.00	13	50.0	37.00	13	50.0	9.40	13	50.0	39.00	13	50.0	55.00	13	50.0	81.00
14	54.0	57.00	14	54.0	53.00	14	54.0	41.00	14	54.0	12.00	14	54.0	37.00	14	54.0	52.00	14	54.0	77.70
15	58.0	62.00	15	58.0	55.00	15	58.0	43.60	15	58.0	27.00	15	58.0	32.00	15	58.0	49.00	15	58.0	75.00
16	62.0	63.00	16	62.0	57.00	16	62.0	45.00	16	62.0	34.00	16	62.0	24.60	16	62.0	45.00	16	62.0	72.00
17	66.0	67.00	17	66.0	61.00	17	66.0	48.00	17	66.0	37.00	17	66.0	19.50	17	66.0	44.00	17	66.0	69.80
18	70.0	70.00	18	70.0	62.00	18	70.0	50.00	18	70.0	41.00	18	70.0	9.50	18	70.0	40.00	18	70.0	68.00
19	74.0	73.00	19	74.0	65.00	19	74.0	52.20	19	74.0	43.00	19	74.0	9.00	19	74.0	37.00	19	74.0	64.00
20	78.0	77.00	20	78.0	70.00	20	78.0	55.00	20	78.0	45.00	20	78.0	15.00	20	78.0	35.00	20	78.0	62.00
21	82.0	80.00	21	82.0	71.50	21	82.0	58.00	21	82.0	47.00	21	82.0	23.60	21	82.0	30.00	21	82.0	58.00
22	86.0	-	22	86.0	-	22	86.0	-	22	86.0	-	22	86.0	-	22	86.0	-	22	86.0	-
23	90.0	85.00	23	90.0	75.00	23	90.0	63.00	23	90.0	53.00	23	90.0	34.00	23	90.0	10.00	23	90.0	53.00
24	94.0	-	24	94.0	-	24	94.0	-	24	94.0	-	24	94.0	-	24	94.0	-	24	94.0	-

COMUNE DI OCRE - LINEA SISMICA A RIFRAZIONE OCR2 - ONDE SH
GEOMETRIA D'ACQUISIZIONE E TEMPI D'ARRIVO

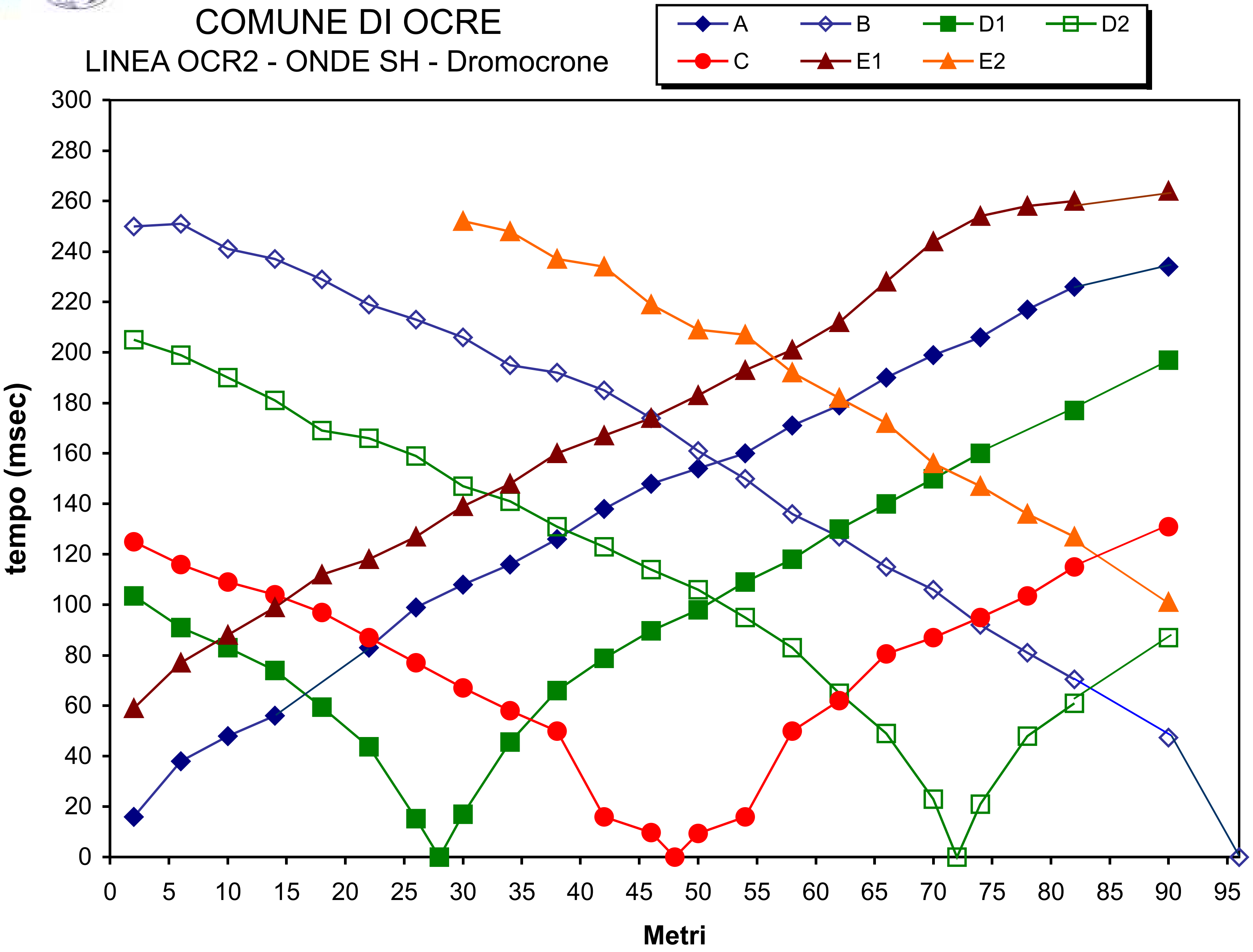
E1 (-18metri)			**A** (0 metri)			**D1** (28 metri)			**C** (48 metri)			**D2** (72 metri)			**B** (96 metri)			**E2** (134metri)		
n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo
1	2.0	59.00	1	2.0	16.00	1	2.0	103.50	1	2.0	125.00	1	2.0	205.00	1	2.0	250.00	1	2.0	-
2	6.0	77.00	2	6.0	38.00	2	6.0	91.00	2	6.0	116.00	2	6.0	199.00	2	6.0	251.00	2	6.0	-
3	10.0	88.00	3	10.0	48.00	3	10.0	83.00	3	10.0	109.00	3	10.0	190.00	3	10.0	241.00	3	10.0	-
4	14.0	99.00	4	14.0	56.00	4	14.0	74.00	4	14.0	104.00	4	14.0	181.00	4	14.0	237.00	4	14.0	-
5	18.0	112.00	5	18.0	-	5	18.0	59.40	5	18.0	97.00	5	18.0	169.00	5	18.0	229.00	5	18.0	-
6	22.0	118.00	6	22.0	83.00	6	22.0	43.70	6	22.0	87.00	6	22.0	166.00	6	22.0	219.00	6	22.0	-
7	26.0	127.00	7	26.0	99.00	7	26.0	15.20	7	26.0	77.00	7	26.0	159.00	7	26.0	213.00	7	26.0	-
8	30.0	139.00	8	30.0	108.00	8	30.0	17.00	8	30.0	67.00	8	30.0	147.00	8	30.0	206.00	8	30.0	252.00
9	34.0	148.00	9	34.0	116.00	9	34.0	45.60	9	34.0	58.00	9	34.0	141.00	9	34.0	195.00	9	34.0	248.00
10	38.0	160.00	10	38.0	126.00	10	38.0	66.00	10	38.0	50.00	10	38.0	131.00	10	38.0	192.00	10	38.0	237.00
11	42.0	167.00	11	42.0	138.00	11	42.0	78.80	11	42.0	16.00	11	42.0	123.00	11	42.0	185.00	11	42.0	234.00
12	46.0	174.00	12	46.0	148.00	12	46.0	89.70	12	46.0	9.70	12	46.0	114.00	12	46.0	174.00	12	46.0	219.00
13	50.0	183.00	13	50.0	154.00	13	50.0	98.00	13	50.0	9.40	13	50.0	106.00	13	50.0	161.00	13	50.0	209.00
14	54.0	193.00	14	54.0	160.00	14	54.0	109.00	14	54.0	16.00	14	54.0	95.00	14	54.0	150.00	14	54.0	207.00
15	58.0	201.00	15	58.0	171.00	15	58.0	118.00	15	58.0	50.00	15	58.0	83.00	15	58.0	136.00	15	58.0	192.00
16	62.0	212.00	16	62.0	179.00	16	62.0	130.00	16	62.0	62.00	16	62.0	65.00	16	62.0	127.00	16	62.0	182.00
17	66.0	228.00	17	66.0	190.00	17	66.0	140.00	17	66.0	80.50	17	66.0	49.00	17	66.0	115.00	17	66.0	172.00
18	70.0	244.00	18	70.0	199.00	18	70.0	150.00	18	70.0	87.00	18	70.0	23.00	18	70.0	106.00	18	70.0	156.00
19	74.0	254.00	19	74.0	206.00	19	74.0	160.00	19	74.0	95.00	19	74.0	21.00	19	74.0	92.00	19	74.0	147.00
20	78.0	258.00	20	78.0	217.00	20	78.0	-	20	78.0	103.50	20	78.0	48.00	20	78.0	81.00	20	78.0	136.00
21	82.0	260.00	21	82.0	226.00	21	82.0	177.00	21	82.0	115.00	21	82.0	61.00	21	82.0	70.50	21	82.0	127.00
22	86.0	-	22	86.0	-	22	86.0	-	22	86.0	-	22	86.0	-	22	86.0	-	22	86.0	-
23	90.0	264.00	23	90.0	234.00	23	90.0	197.00	23	90.0	131.00	23	90.0	87.00	23	90.0	47.40	23	90.0	101.00
24	94.0	-	24	94.0	-	24	94.0	-	24	94.0	-	24	94.0	-	24	94.0	-	24	94.0	-

COMUNE DI OCRE

LINEA OCR2 - ONDE P - Dromocrone



REGIONE TOSCANA



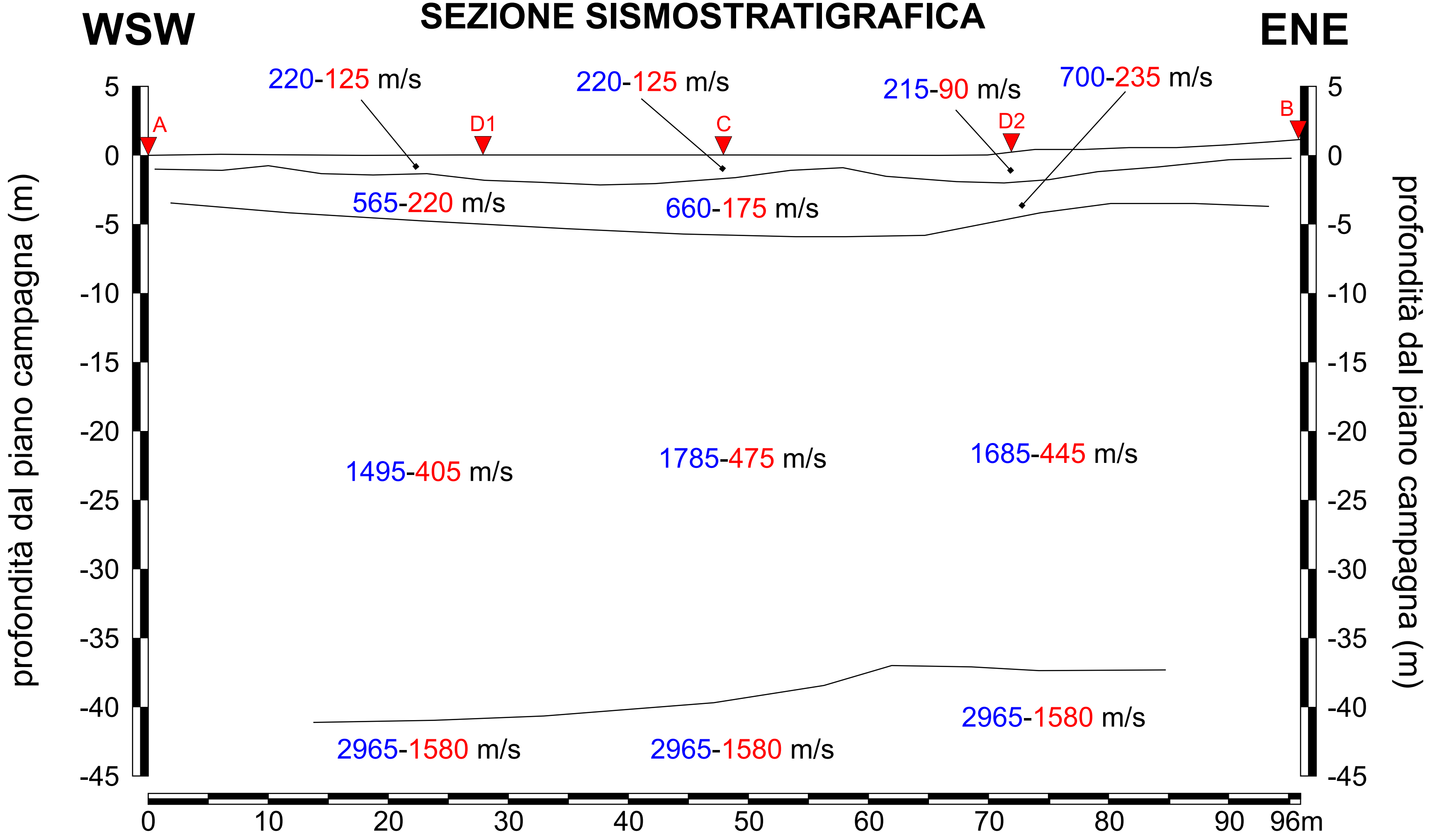
COMUNE DI OCRE

LINEA OCR2 - ONDE SH - Dromocrone

Dir. Gen. delle Politiche Territoriali e Ambientali **Coordinamento regionale Prevenzione sismica**	**PROGETTO:** microzonazione sismica per la ricostruzione (terremoto dell'Aquila 06-04-2009) Macroarea 9 - Task 4 (Geofisica)	DATA ESECUZIONE: 25/06/2009	ELABORAZIONE DATI: Regione Toscana - CeRS-Geo UD'A Chieti-Pescara
		ESECUZIONE: CeRS-Geo UD'A Chieti-Pescara	ALLESTIMENTO GRAFICO: Vittorio D'Intinosante (Regione Toscana)

CeRS-Geo
Università "G. D'Annunzio, Chieti-Pescara

STESA SISMICA A RIFRAZIONE OCR2 - ONDE P ed SH
Ocre (AQ) - Loc. Valle
SEZIONE SISMOSTRATIGRAFICA



Legenda

220 m/s Velocità sismica onde P in metri al secondo

125 m/s Velocità sismica onde SH in metri al secondo

A ▼ Punti di scoppio interni alla stesa sismica

COMUNE DI OCRE - LINEA SISMICA A RIFRAZIONE OCR3 - ONDE P
GEOMETRIA D’ACQUISIZIONE E TEMPI D’ARRIVO

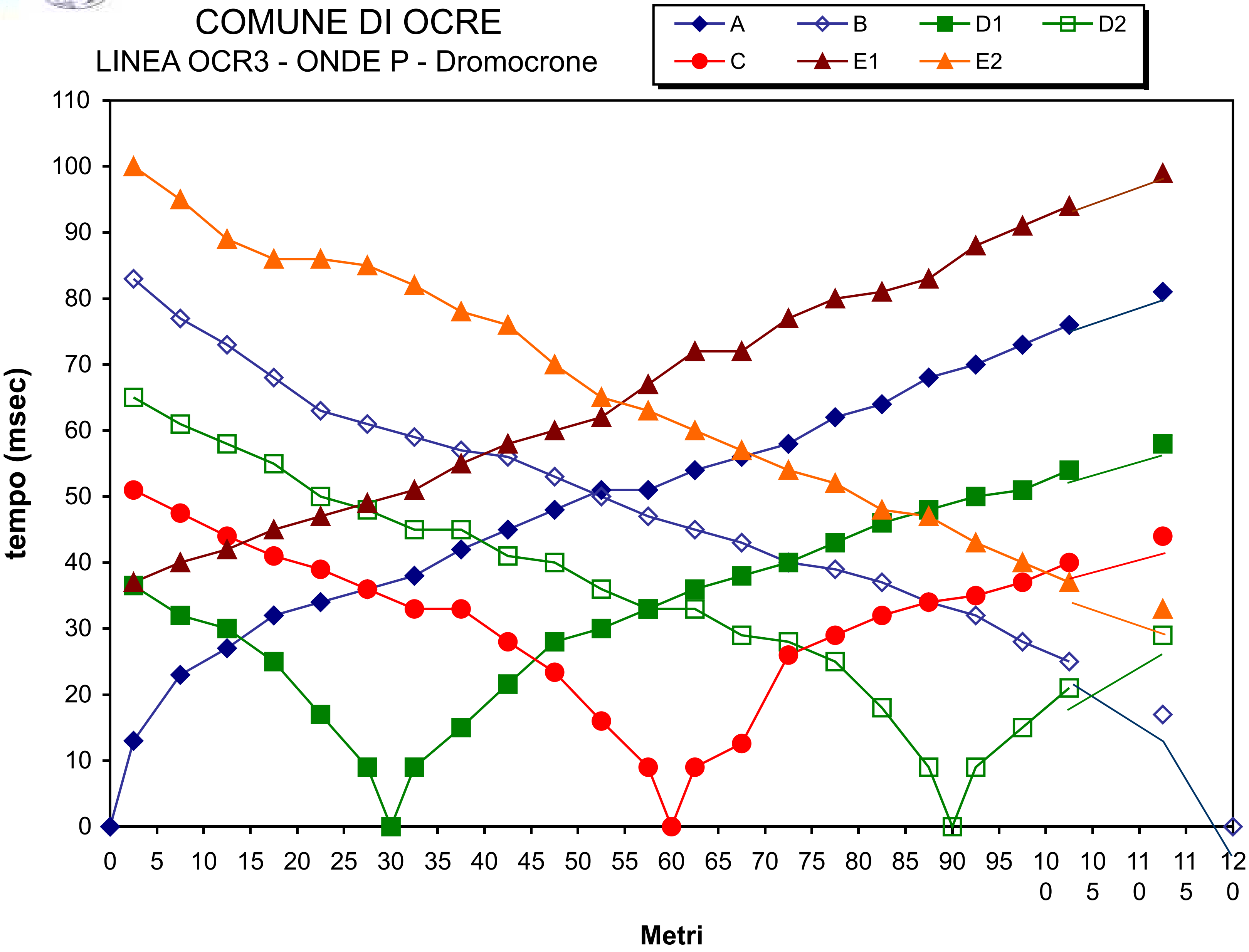
E1 (-20metri)			**A** (0 metri)			**D1** (30 metri)			**C** (60 metri)			**D2** (90 metri)			**B** (120 metri)			**E2** (137.5metri)		
n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo
1	2.5	37.00	1	2.5	13.00	1	2.5	36.50	1	2.5	51.00	1	2.5	65.00	1	2.5	83.00	1	2.5	100.00
2	7.5	40.00	2	7.5	23.00	2	7.5	32.00	2	7.5	47.50	2	7.5	61.00	2	7.5	77.00	2	7.5	95.00
3	12.5	42.00	3	12.5	27.00	3	12.5	30.00	3	12.5	44.00	3	12.5	58.00	3	12.5	73.00	3	12.5	89.00
4	17.5	45.00	4	17.5	32.00	4	17.5	25.00	4	17.5	41.00	4	17.5	55.00	4	17.5	68.00	4	17.5	86.00
5	22.5	47.00	5	22.5	34.00	5	22.5	17.00	5	22.5	39.00	5	22.5	50.00	5	22.5	63.00	5	22.5	86.00
6	27.5	49.00	6	27.5	36.00	6	27.5	9.00	6	27.5	36.00	6	27.5	48.00	6	27.5	61.00	6	27.5	85.00
7	32.5	51.00	7	32.5	38.00	7	32.5	9.00	7	32.5	33.00	7	32.5	45.00	7	32.5	59.00	7	32.5	82.00
8	37.5	55.00	8	37.5	42.00	8	37.5	15.00	8	37.5	33.00	8	37.5	45.00	8	37.5	57.00	8	37.5	78.00
9	42.5	58.00	9	42.5	45.00	9	42.5	21.60	9	42.5	28.00	9	42.5	41.00	9	42.5	56.00	9	42.5	76.00
10	47.5	60.00	10	47.5	48.00	10	47.5	28.00	10	47.5	23.40	10	47.5	40.00	10	47.5	53.00	10	47.5	70.00
11	52.5	62.00	11	52.5	51.00	11	52.5	30.00	11	52.5	16.00	11	52.5	36.00	11	52.5	50.00	11	52.5	65.00
12	57.5	67.00	12	57.5	51.00	12	57.5	33.00	12	57.5	9.00	12	57.5	33.00	12	57.5	47.00	12	57.5	63.00
13	62.5	72.00	13	62.5	54.00	13	62.5	36.00	13	62.5	9.00	13	62.5	33.00	13	62.5	45.00	13	62.5	60.00
14	67.5	72.00	14	67.5	56.00	14	67.5	38.00	14	67.5	12.60	14	67.5	29.00	14	67.5	43.00	14	67.5	57.00
15	72.5	77.00	15	72.5	58.00	15	72.5	40.00	15	72.5	26.00	15	72.5	28.00	15	72.5	40.00	15	72.5	54.00
16	77.5	80.00	16	77.5	62.00	16	77.5	43.00	16	77.5	29.00	16	77.5	25.00	16	77.5	39.00	16	77.5	52.00
17	82.5	81.00	17	82.5	64.00	17	82.5	46.00	17	82.5	32.00	17	82.5	18.00	17	82.5	37.00	17	82.5	48.00
18	87.5	83.00	18	87.5	68.00	18	87.5	48.00	18	87.5	34.00	18	87.5	9.00	18	87.5	34.00	18	87.5	47.00
19	92.5	88.00	19	92.5	70.00	19	92.5	50.00	19	92.5	35.00	19	92.5	9.00	19	92.5	32.00	19	92.5	43.00
20	97.5	91.00	20	97.5	73.00	20	97.5	51.00	20	97.5	37.00	20	97.5	15.00	20	97.5	28.00	20	97.5	40.00
21	102.5	94.00	21	102.5	76.00	21	102.5	54.00	21	102.5	40.00	21	102.5	21.00	21	102.5	25.00	21	102.5	37.00
22	107.5	-	22	107.5	-	22	107.5	-	22	107.5	-	22	107.5	-	22	107.5	-	22	107.5	-
23	112.5	99.00	23	112.5	81.00	23	112.5	58.00	23	112.5	44.00	23	112.5	29.00	23	112.5	17.00	23	112.5	33.00
24	117.5	-	24	117.5	-	24	117.5	-	24	117.5	-	24	117.5	-	24	117.5	-	24	117.5	-

COMUNE DI OCRE - LINEA SISMICA A RIFRAZIONE OCR3 - ONDE SH
GEOMETRIA D’ACQUISIZIONE E TEMPI D’ARRIVO

E1 (-20metri)			**A** (0 metri)			**D1** (30 metri)			**C** (60 metri)			**B** (120 metri)			**E2** (137.5metri)		
n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo
1	2.5	80.00	1	2.5	19.00	1	2.5	74.00	1	2.5	148.00	1	2.5	276.00	1	2.5	324.00
2	7.5	86.00	2	7.5	41.00	2	7.5	64.00	2	7.5	135.00	2	7.5	262.00	2	7.5	319.00
3	12.5	97.00	3	12.5	50.00	3	12.5	49.00	3	12.5	124.00	3	12.5	251.00	3	12.5	319.00
4	17.5	101.00	4	17.5	62.00	4	17.5	42.00	4	17.5	113.00	4	17.5	240.00	4	17.5	308.00
5	22.5	110.00	5	22.5	71.00	5	22.5	27.00	5	22.5	101.00	5	22.5	227.00	5	22.5	305.00
6	27.5	122.00	6	27.5	86.00	6	27.5	13.00	6	27.5	86.00	6	27.5	207.00	6	27.5	301.00
7	32.5	127.00	7	32.5	99.00	7	32.5	8.00	7	32.5	73.00	7	32.5	196.00	7	32.5	300.00
8	37.5	138.00	8	37.5	110.00	8	37.5	23.00	8	37.5	57.00	8	37.5	189.00	8	37.5	288.00
9	42.5	151.00	9	42.5	120.00	9	42.5	33.00	9	42.5	48.00	9	42.5	183.00	9	42.5	286.00
10	47.5	161.00	10	47.5	129.00	10	47.5	47.00	10	47.5	44.00	10	47.5	173.00	10	47.5	277.00
11	52.5	176.00	11	52.5	140.00	11	52.5	56.00	11	52.5	27.00	11	52.5	166.00	11	52.5	260.00
12	57.5	194.00	12	57.5	167.00	12	57.5	67.00	12	57.5	15.00	12	57.5	160.00	12	57.5	250.00
13	62.5	198.00	13	62.5	178.00	13	62.5	81.00	13	62.5	17.00	13	62.5	156.00	13	62.5	239.00
14	67.5	225.00	14	67.5	191.00	14	67.5	91.00	14	67.5	24.00	14	67.5	148.00	14	67.5	233.00
15	72.5	237.00	15	72.5	202.00	15	72.5	106.00	15	72.5	40.00	15	72.5	139.00	15	72.5	222.00
16	77.5	247.00	16	77.5	215.00	16	77.5	116.00	16	77.5	52.00	16	77.5	131.00	16	77.5	197.00
17	82.5	255.00	17	82.5	222.00	17	82.5	125.00	17	82.5	62.00	17	82.5	122.00	17	82.5	183.00
18	87.5	268.00	18	87.5	233.00	18	87.5	144.00	18	87.5	72.00	18	87.5	118.00	18	87.5	173.00
19	92.5	280.00	19	92.5	245.00	19	92.5	159.00	19	92.5	83.00	19	92.5	108.00	19	92.5	159.00
20	97.5	287.00	20	97.5	258.00	20	97.5	175.00	20	97.5	94.00	20	97.5	98.00	20	97.5	151.00
21	102.5	296.00	21	102.5	271.00	21	102.5	182.00	21	102.5	101.00	21	102.5	84.00	21	102.5	136.00
22	107.5	-	22	107.5	-	22	107.5	-	22	107.5	-	22	107.5	-	22	107.5	-
23	112.5	309.00	23	112.5	286.00	23	112.5	202.00	23	112.5	115.00	23	112.5	49.00	23	112.5	117.00
24	117.5	-	24	117.5	-	24	117.5	-	24	117.5	-	24	117.5	-	24	117.5	-

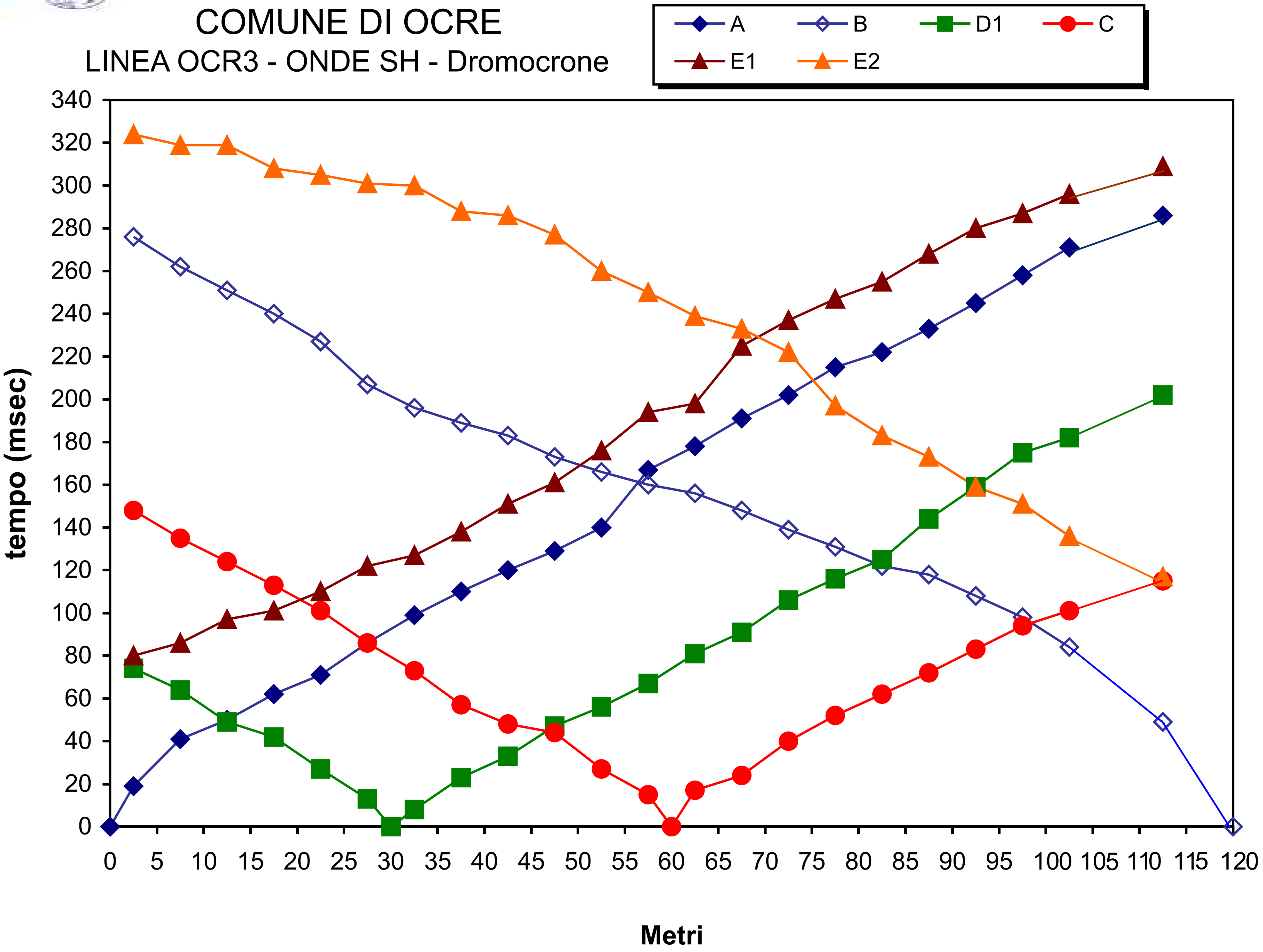
COMUNE DI OCRE

LINEA OCR3 - ONDE P - Dromocrone



COMUNE DI OCRE

LINEA OCR3 - ONDE SH - Dromocrone

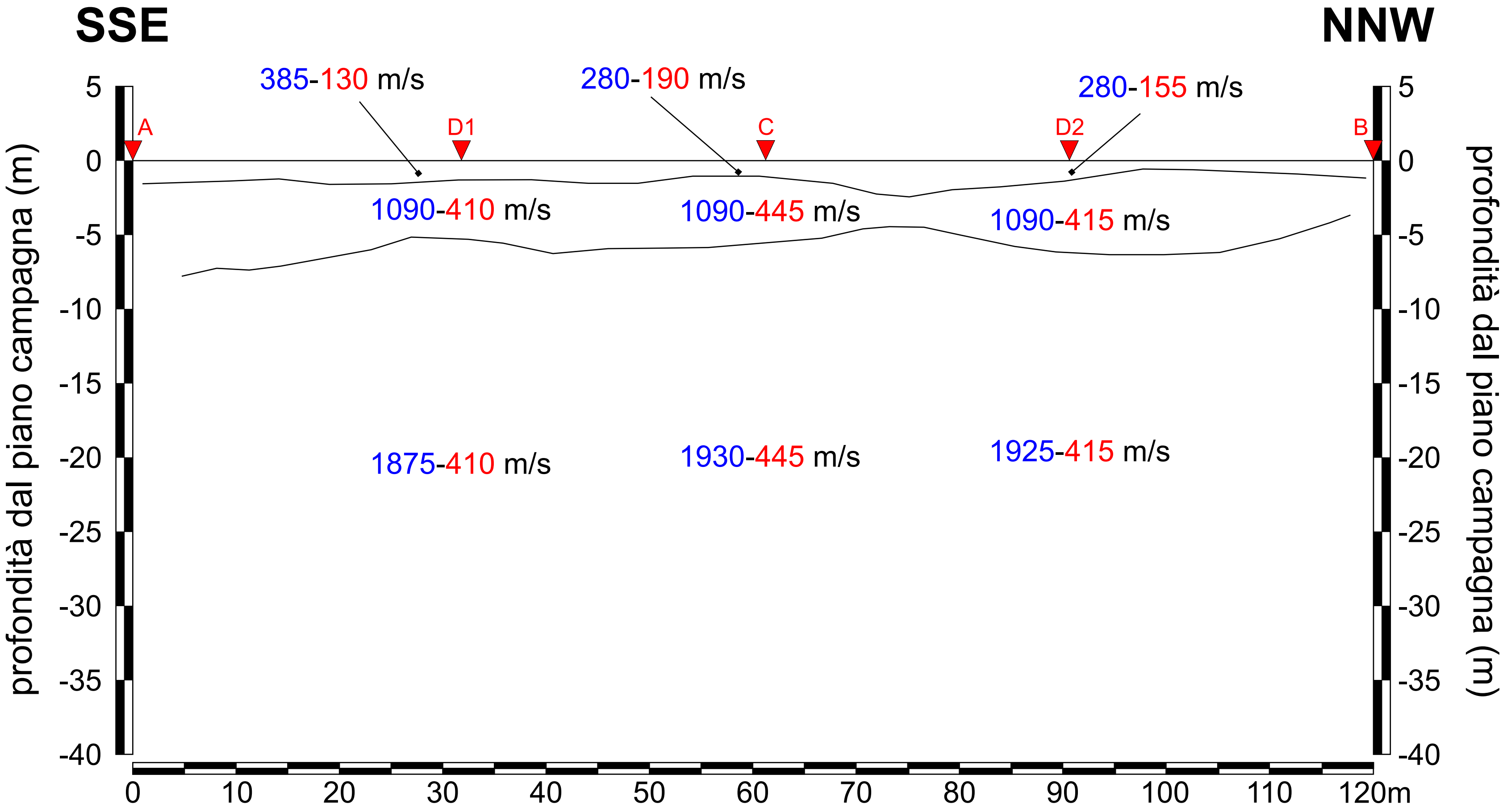


Dir. Gen. delle Politiche Territoriali e Ambientali **Coordinamento regionale Prevenzione sismica**	**PROGETTO:** microzonazione sismica per la ricostruzione (terremoto dell'Aquila 06-04-2009) Macroarea 9 - Task 4 (Geofisica)	DATA ESECUZIONE: 24/06/2009	ELABORAZIONE DATI:Regione Toscana - CeRS-Geo UD'A Chieti-Pescara
		ESECUZIONE:CeRS-Geo UD'A Chieti-Pescara	ALLESTIMENTO GRAFICO: Vittorio D'Intinosante (Regione Toscana)

CeRS-Geo
Università "G. D'Annunzio, Chieti-Pescara

STESA SISMICA A RIFRAZIONE OCR3 - ONDE P ed SH
Ocre (AQ) - Loc. Cavalletto

SEZIONE SISMOSTRATIGRAFICA



Legenda

385 m/s Velocità sismica onde P in metri al secondo

130 m/s Velocità sismica onde SH in metri al secondo

A ▼ Punti di scoppio interni alla stesa sismica

COMUNE DELL’AQUILA, loc. Pianola - LINEA SISMICA A RIFRAZIONE PIA1 - ONDE P
GEOMETRIA D’ACQUISIZIONE E TEMPI D’ARRIVO

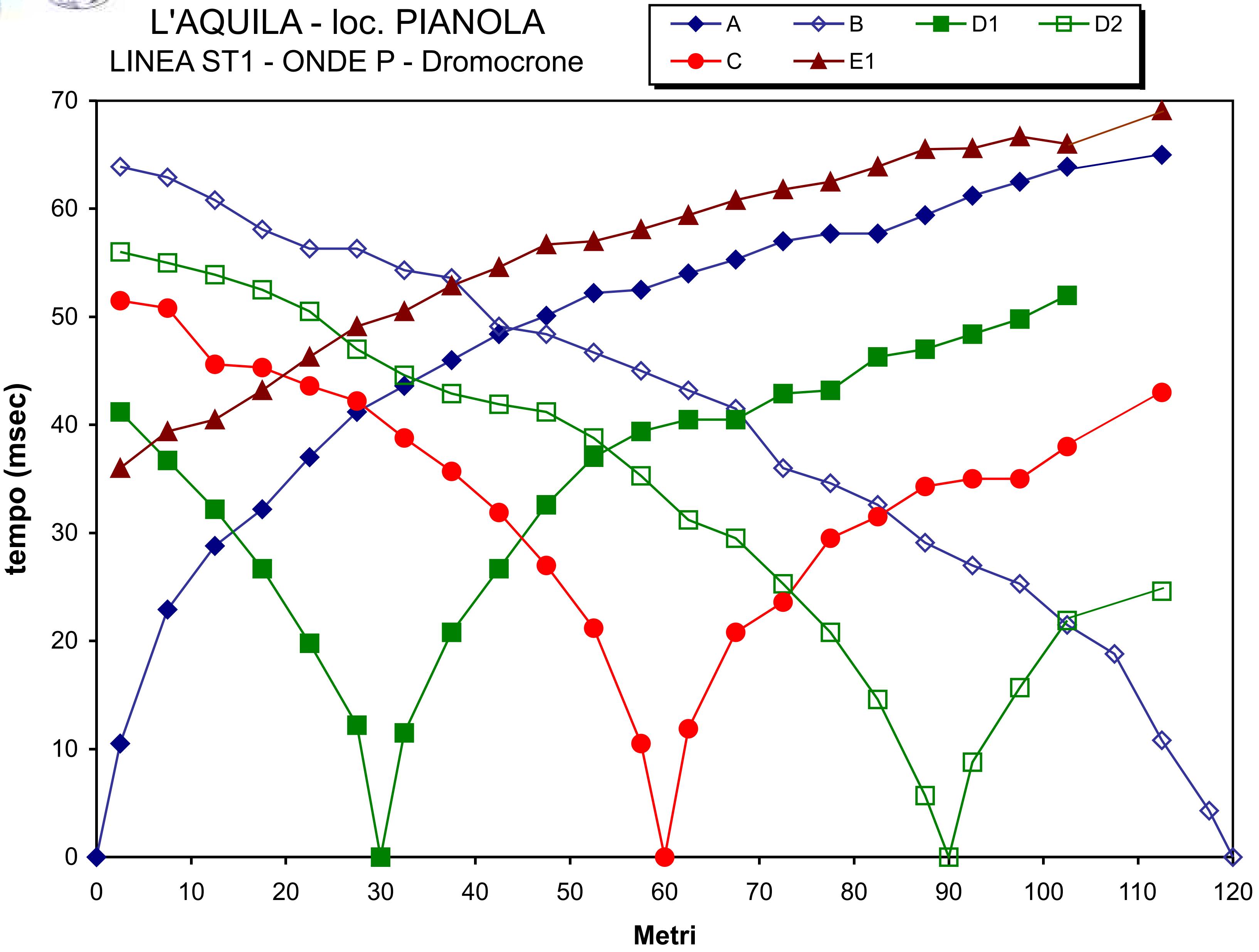
E1 (-27.5metri)			**A** (0 metri)			**D1** (30 metri)			**C** (60 metri)			**D2** (90 metri)			**B** (120 metri)		
n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo
1	2.5	36.00	1	2.5	10.50	1	2.5	41.20	1	2.5	51.50	1	2.5	56.00	1	2.5	63.90
2	7.5	39.40	2	7.5	22.90	2	7.5	36.70	2	7.5	50.80	2	7.5	55.00	2	7.5	62.90
3	12.5	40.50	3	12.5	28.80	3	12.5	32.20	3	12.5	45.60	3	12.5	53.90	3	12.5	60.80
4	17.5	43.20	4	17.5	32.20	4	17.5	26.70	4	17.5	45.30	4	17.5	52.50	4	17.5	58.10
5	22.5	46.30	5	22.5	37.00	5	22.5	19.80	5	22.5	43.60	5	22.5	50.50	5	22.5	56.30
6	27.5	49.10	6	27.5	41.20	6	27.5	12.20	6	27.5	42.20	6	27.5	47.00	6	27.5	56.30
7	32.5	50.50	7	32.5	43.60	7	32.5	11.50	7	32.5	38.80	7	32.5	44.60	7	32.5	54.30
8	37.5	52.90	8	37.5	46.00	8	37.5	20.80	8	37.5	35.70	8	37.5	42.90	8	37.5	53.60
9	42.5	54.60	9	42.5	48.40	9	42.5	26.70	9	42.5	31.90	9	42.5	41.90	9	42.5	49.10
10	47.5	56.70	10	47.5	50.10	10	47.5	32.60	10	47.5	27.00	10	47.5	41.20	10	47.5	48.40
11	52.5	57.00	11	52.5	52.20	11	52.5	37.00	11	52.5	21.20	11	52.5	38.80	11	52.5	46.70
12	57.5	58.10	12	57.5	52.50	12	57.5	39.40	12	57.5	10.50	12	57.5	35.30	12	57.5	45.00
13	62.5	59.40	13	62.5	54.00	13	62.5	40.50	13	62.5	11.89	13	62.5	31.20	13	62.5	43.20
14	67.5	60.80	14	67.5	55.30	14	67.5	40.50	14	67.5	20.80	14	67.5	29.50	14	67.5	41.50
15	72.5	61.80	15	72.5	57.00	15	72.5	42.90	15	72.5	23.60	15	72.5	25.30	15	72.5	36.00
16	77.5	62.50	16	77.5	57.70	16	77.5	43.20	16	77.5	29.50	16	77.5	20.80	16	77.5	34.60
17	82.5	63.90	17	82.5	57.70	17	82.5	46.30	17	82.5	31.50	17	82.5	14.60	17	82.5	32.60
18	87.5	65.50	18	87.5	59.40	18	87.5	47.00	18	87.5	34.30	18	87.5	5.70	18	87.5	29.10
19	92.5	65.60	19	92.5	61.20	19	92.5	48.40	19	92.5	35.00	19	92.5	8.80	19	92.5	27.00
20	97.5	66.70	20	97.5	62.50	20	97.5	49.80	20	97.5	35.00	20	97.5	15.70	20	97.5	25.30
21	102.5	66.00	21	102.5	63.90	21	102.5	52.00	21	102.5	38.00	21	102.5	21.90	21	102.5	21.50
22	107.5	-	22	107.5	-	22	107.5	-	22	107.5	-	22	107.5	-	22	107.5	18.80
23	112.5	69.10	23	112.5	65.00	23	112.5	-	23	112.5	43.00	23	112.5	24.60	23	112.5	10.80
24	117.5	-	24	117.5	-	24	117.5	-	24	117.5	-	24	117.5	-	24	117.5	4.30

COMUNE DELL’AQUILA, loc. Pianola - LINEA SISMICA A RIFRAZIONE PIA1 - ONDE SH
GEOMETRIA D’ACQUISIZIONE E TEMPI D’ARRIVO

E1 (-27.5metri)			**A** (0 metri)			**D1** (30 metri)			**C** (60 metri)			**D2** (90 metri)			**B** (120 metri)			**E2** (147.5metri)		
n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo
1	2.5	140.00	1	2.5	19.50	1	2.5	131.00	1	2.5	142.60	1	2.5	145.30	1	2.5	149.90	1	2.5	173.50
2	7.5	147.10	2	7.5	51.70	2	7.5	114.90	2	7.5	137.90	2	7.5	135.60	2	7.5	143.10	2	7.5	167.20
3	12.5	151.10	3	12.5	79.80	3	12.5	90.20	3	12.5	130.40	3	12.5	129.80	3	12.5	138.50	3	12.5	159.10
4	17.5	155.10	4	17.5	101.70	4	17.5	70.10	4	17.5	124.10	4	17.5	122.90	4	17.5	133.90	4	17.5	154.00
5	22.5	158.00	5	22.5	117.80	5	22.5	47.10	5	22.5	114.90	5	22.5	119.50	5	22.5	130.40	5	22.5	145.90
6	27.5	158.60	6	27.5	131.00	6	27.5	19.50	6	27.5	107.40	6	27.5	112.00	6	27.5	122.40	6	27.5	139.00
7	32.5	157.40	7	32.5	129.30	7	32.5	24.60	7	32.5	101.10	7	32.5	110.30	7	32.5	117.20	7	32.5	135.00
8	37.5	160.30	8	37.5	134.40	8	37.5	53.40	8	37.5	92.50	8	37.5	106.80	8	37.5	109.10	8	37.5	131.00
9	42.5	164.30	9	42.5	137.30	9	42.5	74.60	9	42.5	78.10	9	42.5	105.10	9	42.5	102.80	9	42.5	133.00
10	47.5	169.50	10	47.5	145.30	10	47.5	89.00	10	47.5	66.00	10	47.5	100.50	10	47.5	101.10	10	47.5	127.50
11	52.5	169.50	11	52.5	141.90	11	52.5	104.50	11	52.5	45.30	11	52.5	89.60	11	52.5	94.20	11	52.5	114.30
12	57.5	167.80	12	57.5	142.50	12	57.5	105.10	12	57.5	22.30	12	57.5	79.80	12	57.5	85.00	12	57.5	106.30
13	62.5	166.00	13	62.5	141.30	13	62.5	105.10	13	62.5	26.40	13	62.5	72.30	13	62.5	81.50	13	62.5	101.10
14	67.5	164.30	14	67.5	141.30	14	67.5	105.70	14	67.5	49.40	14	67.5	67.20	14	67.5	75.80	14	67.5	94.20
15	72.5	163.70	15	72.5	143.60	15	72.5	107.40	15	72.5	57.40	15	72.5	61.40	15	72.5	71.20	15	72.5	94.20
16	77.5	163.70	16	77.5	141.90	16	77.5	107.40	16	77.5	63.70	16	77.5	55.70	16	77.5	64.30	16	77.5	86.70
17	82.5	164.30	17	82.5	142.50	17	82.5	108.00	17	82.5	68.30	17	82.5	37.90	17	82.5	63.20	17	82.5	82.10
18	87.5	167.20	18	87.5	144.80	18	87.5	112.60	18	87.5	75.80	18	87.5	20.60	18	87.5	56.30	18	87.5	75.20
19	92.5	168.90	19	92.5	144.20	19	92.5	111.40	19	92.5	75.20	19	92.5	21.80	19	92.5	56.30	19	92.5	71.80
20	97.5	170.60	20	97.5	144.80	20	97.5	114.90	20	97.5	80.40	20	97.5	45.90	20	97.5	54.00	20	97.5	66.60
21	102.5	171.20	21	102.5	151.10	21	102.5	116.60	21	102.5	78.10	21	102.5	60.90	21	102.5	52.50	21	102.5	60.90
22	107.5	-	22	107.5	-	22	107.5	109.70	22	107.5	75.80	22	107.5	71.80	22	107.5	30.40	22	107.5	-
23	112.5	174.10	23	112.5	147.60	23	112.5	-	23	112.5	-	23	112.5	77.50	23	112.5	22.30	23	112.5	52.20
24	117.5	-	24	117.5	-	24	117.5	-	24	117.5	-	24	117.5	86.70	24	117.5	13.10	24	117.5	-

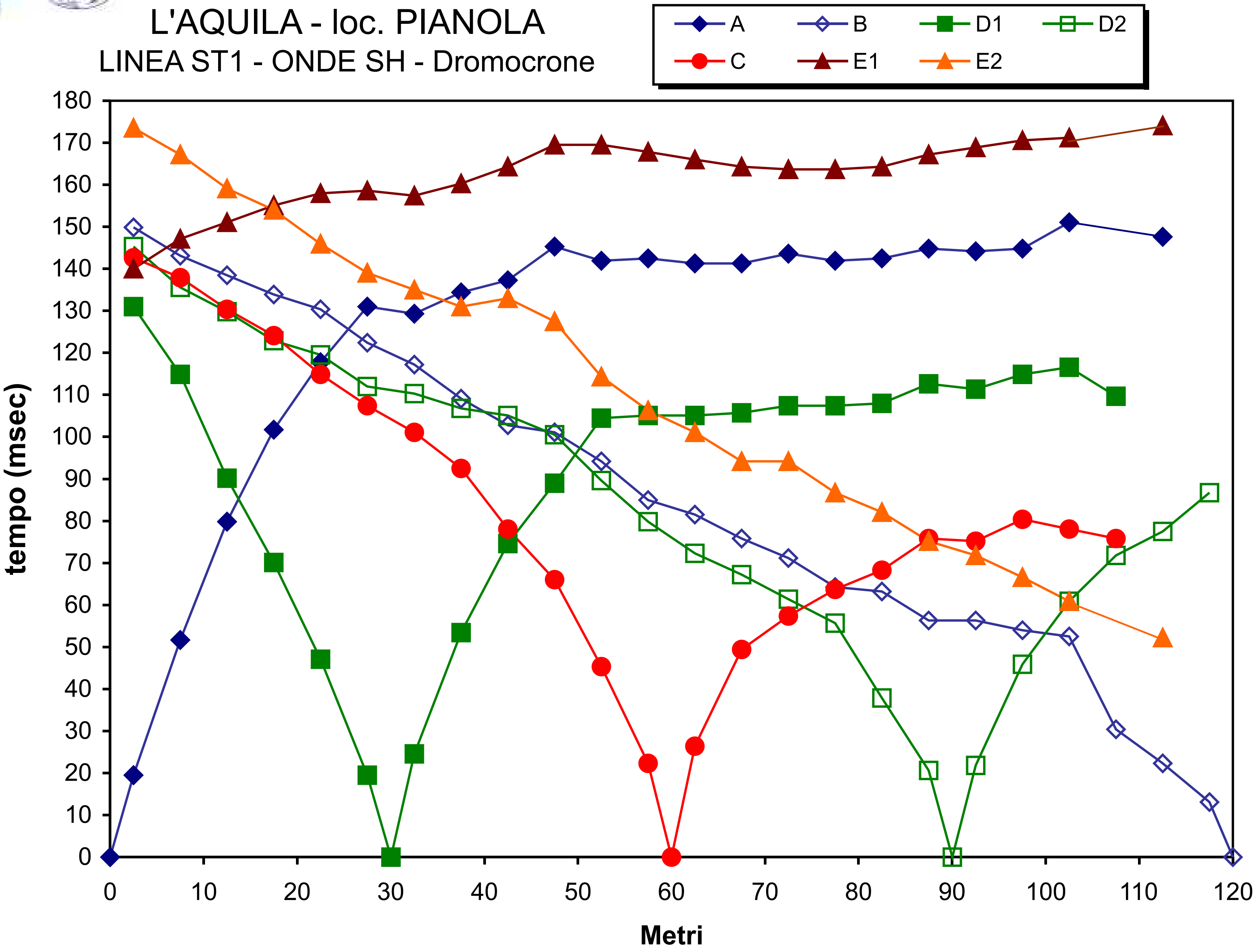
L'AQUILA - loc. PIANOLA

LINEA ST1 - ONDE P - Dromocrone



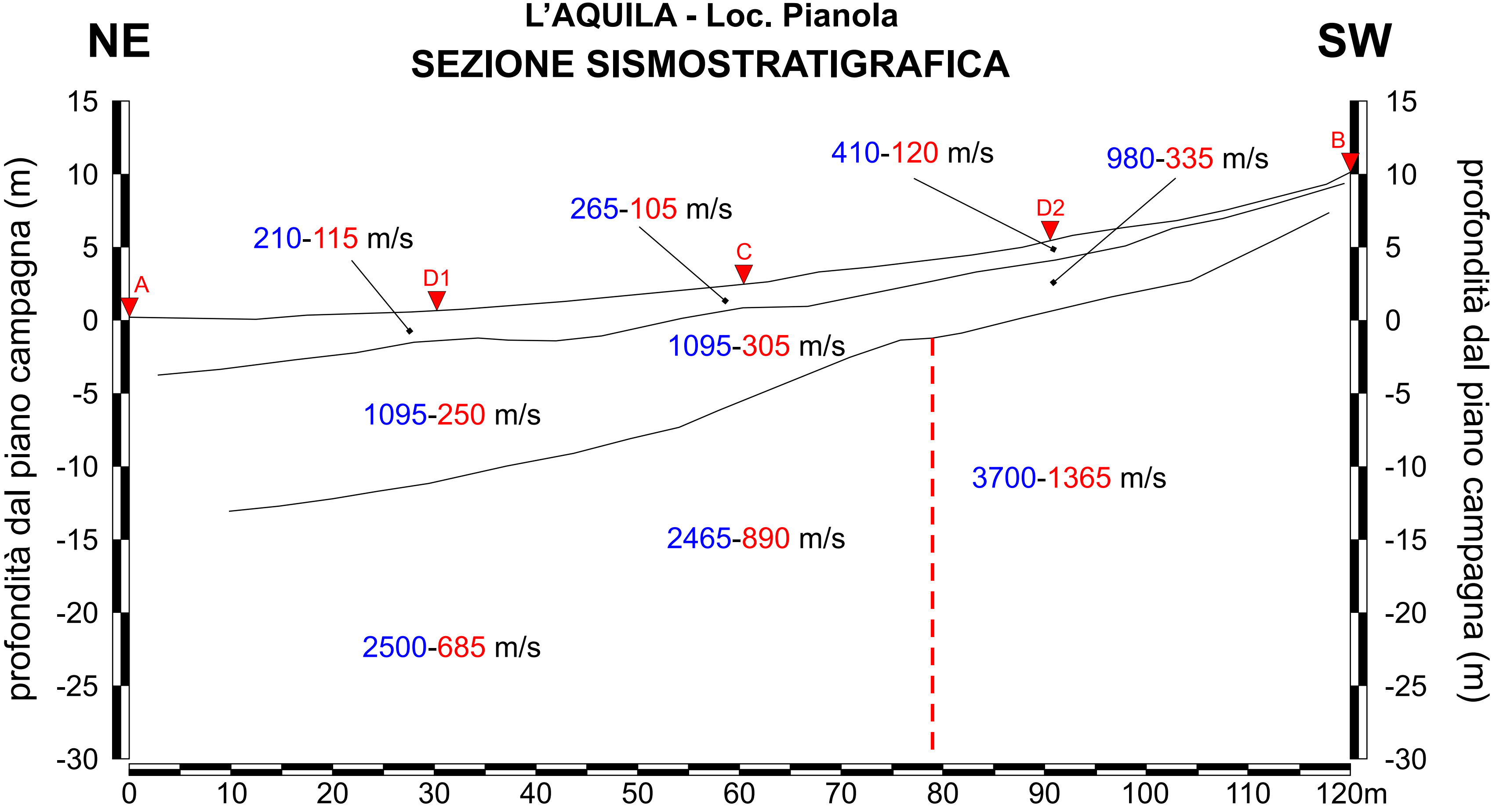
L'AQUILA - loc. PIANOLA

LINEA ST1 - ONDE SH - Dromocrone



Dir. Gen. delle Politiche Territoriali e Ambientali **Coordinamento regionale Prevenzione sismica**	**PROGETTO:** microzonazione sismica per la ricostruzione (terremoto dell'Aquila 06-04-2009) Macroarea 9 - Task 4 (Geofisica)	DATA ESECUZIONE: 29/06/2009	ELABORAZIONE DATI: Regione Toscana - CeRS-Geo UD'A Chieti-Pescara
CeRS-Geo Università "G. D'Annunzio, Chieti-Pescara		ESECUZIONE: CeRS-Geo UD'A Chieti-Pescara	ALLESTIMENTO GRAFICO: Vittorio D'Intinosante (Regione Toscana)

STESA SISMICA A RIFRAZIONE PIA1 - ONDE P ed SH
L'AQUILA - Loc. Pianola
SEZIONE SISMOSTRATIGRAFICA



Legenda

210 m/s Velocità sismica onde P in metri al secondo

115 m/s Velocità sismica onde SH in metri al secondo

A ▼ Punti di scoppio interni alla stesa sismica

/ Discontinuità sismostratigrafica

COMUNE DELL’AQUILA, loc. Pianola - LINEA SISMICA A RIFRAZIONE PIA3 - ONDE P
GEOMETRIA D’ACQUISIZIONE E TEMPI D’ARRIVO

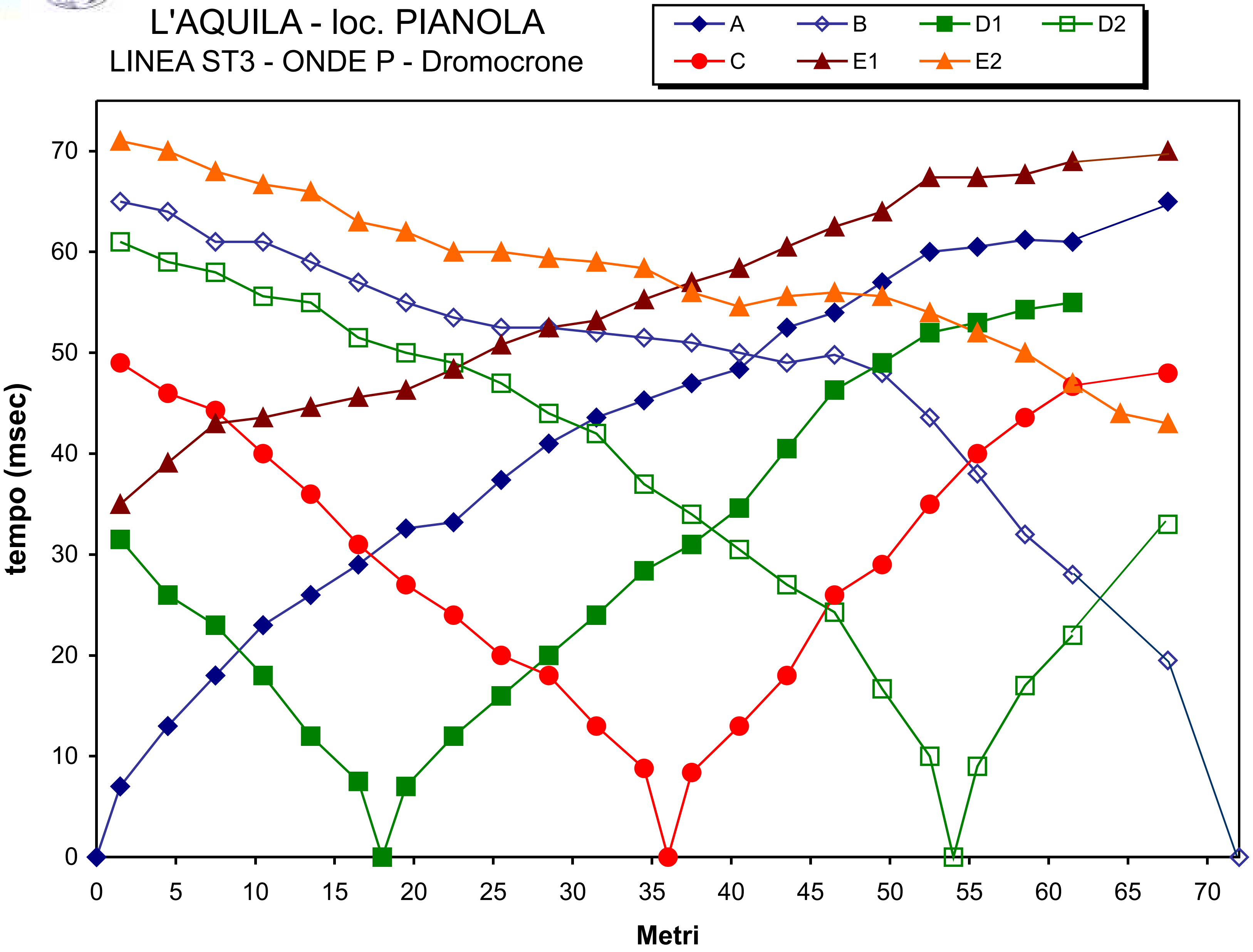
E1 (-18.5metri)			**A** (0 metri)			**D1** (18 metri)			**C** (36 metri)			**D2** (54 metri)			**B** (72 metri)			**E2** (90.5metri)		
n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo
1	1.5	35.00	1	1.5	7.00	1	1.5	31.50	1	1.5	49.00	1	2.5	61.00	1	1.5	65.00	1	1.5	71.00
2	4.5	39.10	2	4.5	13.00	2	4.5	26.00	2	4.5	46.00	2	7.5	59.00	2	4.5	64.00	2	4.5	70.00
3	7.5	43.00	3	7.5	18.00	3	7.5	23.00	3	7.5	44.30	3	12.5	58.00	3	7.5	61.00	3	7.5	68.00
4	10.5	43.60	4	10.5	23.00	4	10.5	18.00	4	10.5	40.00	4	17.5	55.60	4	10.5	61.00	4	10.5	66.70
5	13.5	44.60	5	13.5	26.00	5	13.5	12.00	5	13.5	36.00	5	22.5	55.00	5	13.5	59.00	5	13.5	66.00
6	16.5	45.60	6	16.5	29.00	6	16.5	7.50	6	16.5	31.00	6	27.5	51.50	6	16.5	57.00	6	16.5	63.00
7	19.5	46.30	7	19.5	32.60	7	19.5	7.00	7	19.5	27.00	7	32.5	50.00	7	19.5	55.00	7	19.5	62.00
8	22.5	48.40	8	22.5	33.20	8	22.5	12.00	8	22.5	24.00	8	37.5	49.00	8	22.5	53.50	8	22.5	60.00
9	25.5	50.80	9	25.5	37.40	9	25.5	16.00	9	25.5	20.00	9	42.5	47.00	9	25.5	52.50	9	25.5	60.00
10	28.5	52.50	10	28.5	41.00	10	28.5	20.00	10	28.5	18.00	10	47.5	44.00	10	28.5	52.50	10	28.5	59.40
11	31.5	53.20	11	31.5	43.60	11	31.5	24.00	11	31.5	13.00	11	52.5	42.00	11	31.5	52.00	11	31.5	59.00
12	34.5	55.30	12	34.5	45.30	12	34.5	28.40	12	34.5	8.80	12	57.5	37.00	12	34.5	51.50	12	34.5	58.40
13	37.5	57.00	13	37.5	47.00	13	37.5	31.00	13	37.5	8.40	13	62.5	34.00	13	37.5	51.00	13	37.5	56.00
14	40.5	58.40	14	40.5	48.40	14	40.5	34.60	14	40.5	13.00	14	67.5	30.50	14	40.5	50.00	14	40.5	54.60
15	43.5	60.50	15	43.5	52.50	15	43.5	40.50	15	43.5	18.00	15	72.5	27.00	15	43.5	49.00	15	43.5	55.60
16	46.5	62.50	16	46.5	54.00	16	46.5	46.30	16	46.5	26.00	16	77.5	24.30	16	46.5	49.80	16	46.5	56.00
17	49.5	64.00	17	49.5	57.00	17	49.5	49.00	17	49.5	29.00	17	82.5	16.70	17	49.5	48.00	17	49.5	55.60
18	52.5	67.40	18	52.5	60.00	18	52.5	52.00	18	52.5	35.00	18	87.5	10.00	18	52.5	43.60	18	52.5	54.00
19	55.5	67.40	19	55.5	60.50	19	55.5	53.00	19	55.5	40.00	19	92.5	9.00	19	55.5	38.00	19	55.5	52.00
20	58.5	67.70	20	58.5	61.20	20	58.5	54.30	20	58.5	43.60	20	97.5	17.00	20	58.5	32.00	20	58.5	50.00
21	61.5	69.00	21	61.5	61.00	21	61.5	55.00	21	61.5	46.70	21	102.5	22.00	21	61.5	28.00	21	61.5	47.00
22	64.5	-	22	64.5	-	22	64.5	-	22	64.5	-	22	107.5	-	22	64.5	-	22	64.5	44.00
23	67.5	70.00	23	67.5	65.00	23	67.5	-	23	67.5	48.00	23	112.5	33.00	23	67.5	19.50	23	67.5	43.00
24	70.5	-	24	70.5	-	24	70.5	-	24	70.5	-	24	117.5	-	24	70.5	-	24	70.5	-

COMUNE DELL’AQUILA, loc. Pianola - LINEA SISMICA A RIFRAZIONE PIA3 - ONDE SH
GEOMETRIA D’ACQUISIZIONE E TEMPI D’ARRIVO

E1 (-18.5metri)			**A** (0 metri)			**D1** (18 metri)			**C** (36 metri)			**D2** (54 metri)			**B** (72 metri)			**E2** (90.5metri)		
n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo	n° geofono	X	Tempo
1	1.5	72.20	1	1.5	14.30	1	1.5	54.30	1	1.5	99.20	1	1.5	121.90	1	1.5	150.20	1	1.5	185.40
2	4.5	77.80	2	4.5	27.40	2	4.5	45.30	2	4.5	86.70	2	4.5	117.80	2	4.5	145.40	2	4.5	180.60
3	7.5	83.30	3	7.5	36.40	3	7.5	39.10	3	7.5	82.60	3	7.5	115.00	3	7.5	144.00	3	7.5	179.20
4	10.5	88.10	4	10.5	44.70	4	10.5	30.20	4	10.5	75.70	4	10.5	105.40	4	10.5	137.10	4	10.5	177.10
5	13.5	92.90	5	13.5	50.90	5	13.5	18.40	5	13.5	65.00	5	13.5	94.30	5	13.5	132.30	5	13.5	168.80
6	16.5	97.80	6	16.5	61.90	6	16.5	8.80	6	16.5	61.20	6	16.5	89.50	6	16.5	126.70	6	16.5	166.10
7	19.5	105.40	7	19.5	67.40	7	19.5	8.80	7	19.5	52.20	7	19.5	83.30	7	19.5	117.80	7	19.5	164.00
8	22.5	107.40	8	22.5	73.60	8	22.5	21.20	8	22.5	43.30	8	22.5	78.50	8	22.5	112.90	8	22.5	162.60
9	25.5	112.30	9	25.5	79.10	9	25.5	27.40	9	25.5	37.80	9	25.5	72.90	9	25.5	104.70	9	25.5	159.90
10	28.5	119.20	10	28.5	83.30	10	28.5	36.40	10	28.5	30.20	10	28.5	66.00	10	28.5	97.10	10	28.5	156.40
11	31.5	123.30	11	31.5	92.30	11	31.5	41.90	11	31.5	21.90	11	31.5	61.20	11	31.5	92.90	11	31.5	157.10
12	34.5	128.10	12	34.5	95.00	12	34.5	49.50	12	34.5	10.80	12	34.5	56.40	12	34.5	86.00	12	34.5	152.30
13	37.5	133.60	13	37.5	98.50	13	37.5	54.30	13	37.5	9.50	13	37.5	50.90	13	37.5	81.90	13	37.5	147.40
14	40.5	141.20	14	40.5	105.40	14	40.5	60.50	14	40.5	20.50	14	40.5	47.40	14	40.5	79.80	14	40.5	144.00
15	43.5	147.40	15	43.5	114.30	15	43.5	73.60	15	43.5	35.00	15	43.5	42.60	15	43.5	72.20	15	43.5	143.30
16	46.5	157.80	16	46.5	120.50	16	46.5	87.40	16	46.5	46.00	16	46.5	39.80	16	46.5	68.80	16	46.5	144.00
17	49.5	157.10	17	49.5	125.40	17	49.5	99.20	17	49.5	50.20	17	49.5	26.70	17	49.5	60.50	17	49.5	139.90
18	52.5	162.60	18	52.5	133.00	18	52.5	106.70	18	52.5	59.10	18	52.5	9.50	18	52.5	53.60	18	52.5	135.70
19	55.5	166.80	19	55.5	139.90	19	55.5	112.30	19	55.5	66.70	19	55.5	11.50	19	55.5	47.40	19	55.5	130.90
20	58.5	170.20	20	58.5	144.70	20	58.5	117.10	20	58.5	77.10	20	58.5	30.90	20	58.5	39.10	20	58.5	124.70
21	61.5	175.70	21	61.5	145.40	21	61.5	120.50	21	61.5	86.70	21	61.5	47.40	21	61.5	30.20	21	61.5	119.80
22	64.5	-	22	64.5	-	22	64.5	-	22	64.5	-	22	64.5	-	22	64.5	20.00	22	64.5	-
23	67.5	177.80	23	67.5	153.00	23	67.5	128.10	23	67.5	101.20	23	67.5	68.10	23	67.5	15.00	23	67.5	106.10
24	70.5	-	24	70.5	-	24	70.5	-	24	70.5	-	24	70.5	-	24	70.5	-	24	70.5	-

L'AQUILA - loc. PIANOLA

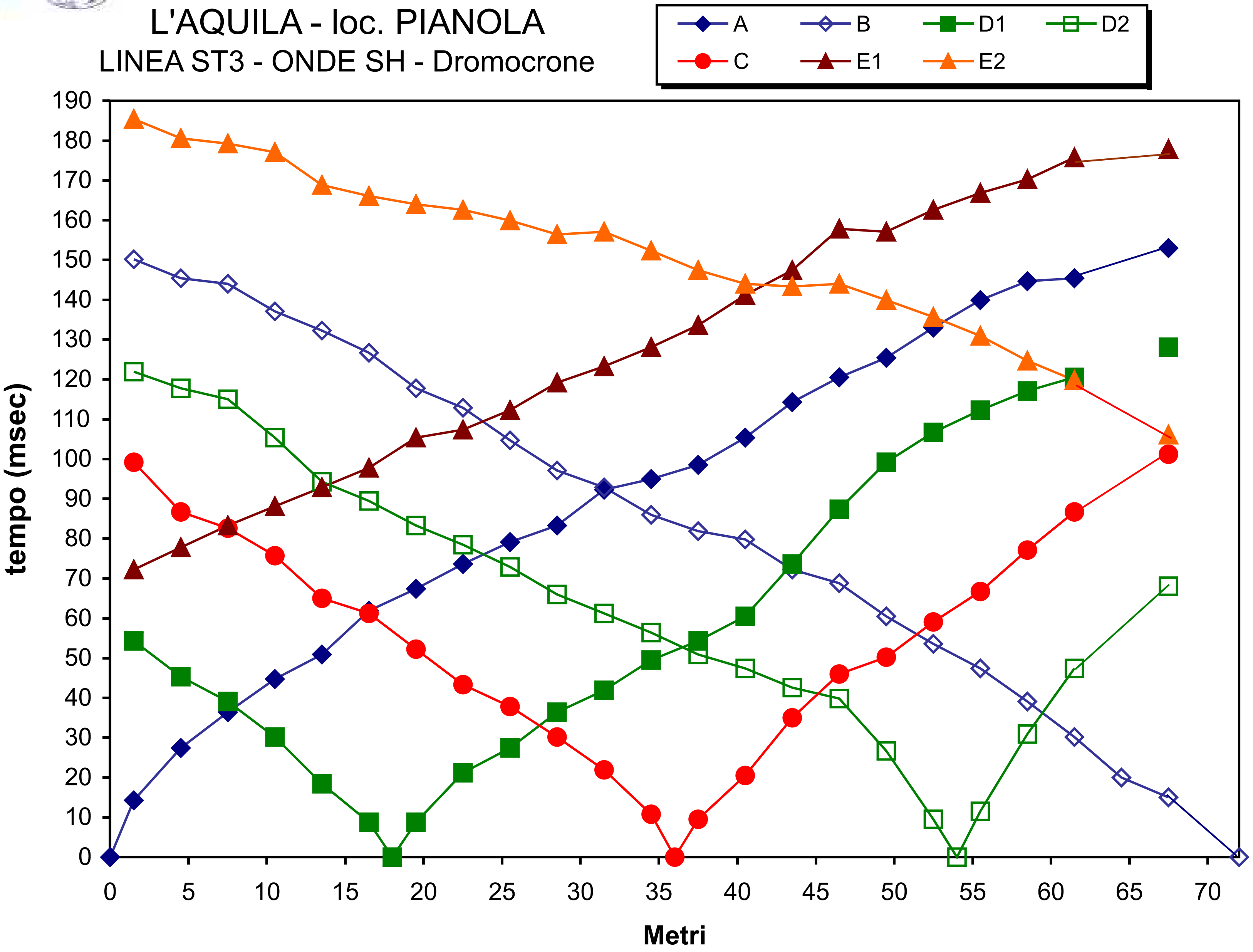
LINEA ST3 - ONDE P - Dromocrone



REGIONE
TOSCANA

L'AQUILA - loc. PIANOLA

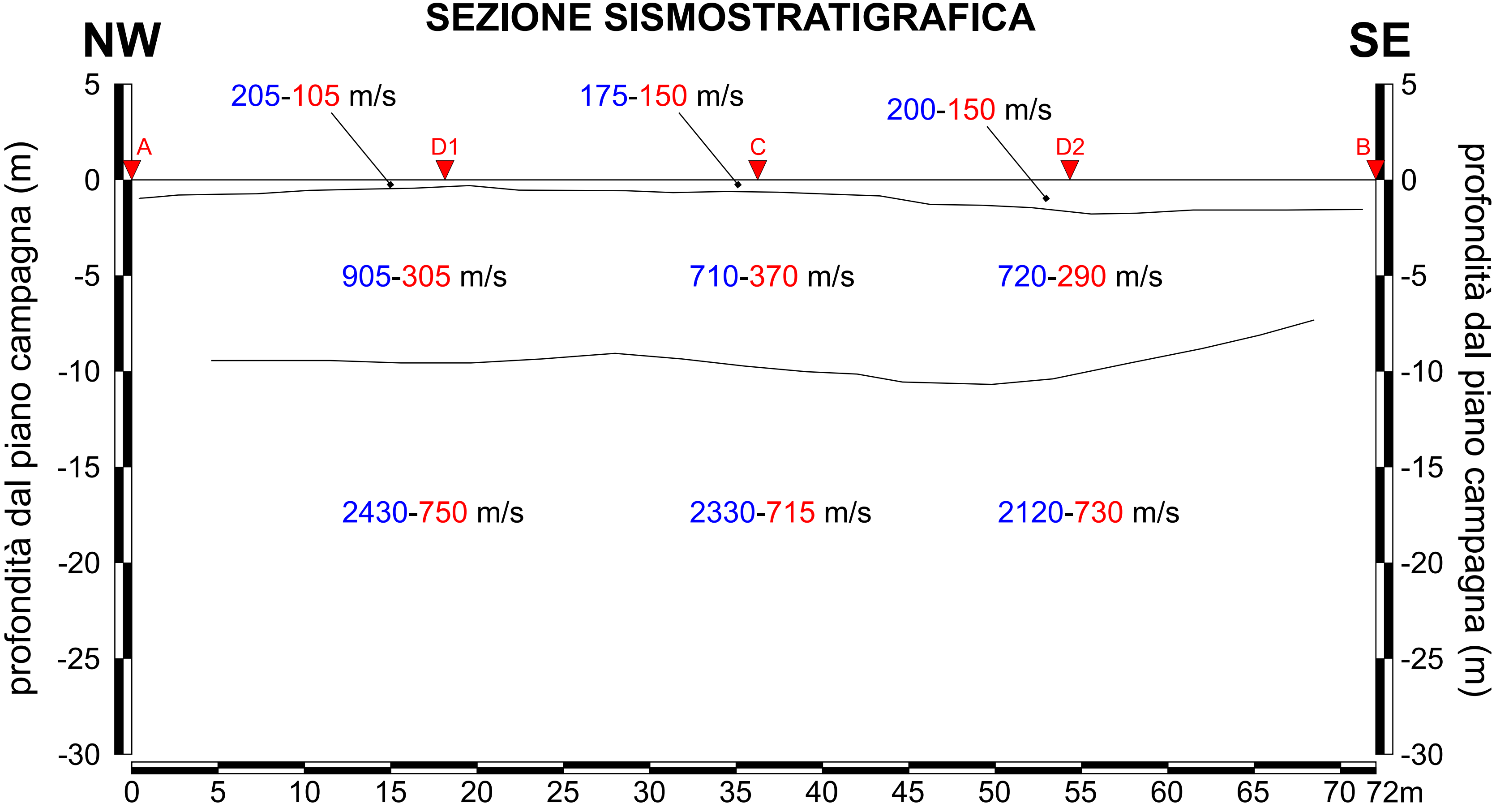
LINEA ST3 - ONDE SH - Dromocrone



REGIONE TOSCANA	Dir. Gen. delle Politiche Territoriali e Ambientali **Coordinamento regionale Prevenzione sismica**	**PROGETTO:** microzonazione sismica per la ricostruzione (terremoto dell'Aquila 06-04-2009) Macroarea 9 - Task 4 (Geofisica)	DATA ESECUZIONE: 26/06/2009 ESECUZIONE: CeRS-Geo UD'A Chieti-Pescara	ELABORAZIONE DATI: Regione Toscana - CeRS-Geo UD'A Chieti-Pescara ALLESTIMENTO GRAFICO: Vittorio D'Intinosante (Regione Toscana)
UdA	**CeRS-Geo** Università "G. D'Annunzio, Chieti-Pescara			

STESA SISMICA A RIFRAZIONE PIA3 - ONDE P ed SH
L'AQUILA - Loc. Pianola

SEZIONE SISMOSTRATIGRAFICA


NW
SE
profondità dal piano campagna (m)
5
0
-5
-10
-15
-20
-25
-30
205-105 m/s
175-150 m/s
200-150 m/s
A
D1
C
D2
B
905-305 m/s
710-370 m/s
720-290 m/s
2430-750 m/s
2330-715 m/s
2120-730 m/s
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
72m

Legenda

205 m/s Velocità sismica onde P in metri al secondo

105 m/s Velocità sismica onde SH in metri al secondo

A ▼ Punti di scoppio interni alla stesa sismica