apparent resistivity above 50 Ωm in the shallow part between the station OB0-70 and 100. Especially valid low apparent resistivity anomalies less than 10 Ωm are located in the southwest end of the section and around the station OB0-60.

No valid anomaly of observed chargeability is recognized in this section.

・OB2 Cross Section (Figure 48)

This section crosscuts in the southwestern part of the OB sub-prospect from the northwest to the southeast. Almost apparent resistivities indicate low below 50 Ωm except for high apparent resistivities above 50 Ωm. There is a valid low apparent resistivity anomaly less than 10 Ωm surrounding the high apparent resistivity from the central part to the southwest part of the section.

The weak anomaly of observed chargeability above 5mV/V is recognized in the deep of the southeastern part of the section.

・OB3 Cross Section (Figure 49)

This section crosscuts in the center of the OB sub-prospect parallel to the section OB2. Apparent resistivity distribution of this section is almost similar to the cross section OB2. The area of low apparent resistivity below 10 Ωm decreases.

It seems that the weak anomaly of observed chargeability exceeding 5mV/V located deeply in the central part of the section is valid.

・OB5 Cross Section (Figure 50)

This section crosscuts the northeastern part of the OB sub-prospect from the northwest to the southeast through the Dar ech Chebka old small working. Such as the cross section OB2 and OB3 apparent resistivity in this section indicates in general. The boundary between the high anomaly of apparent resistivity above 50 Ωm and the low anomaly below 10 Ωm is located in the vicinity of the station OB5-70 in the central part of the section.

The weak anomaly of observed chargeability exceeding 5mV/V is recognized between the station OB5-60 and 90 in the deep central part of the section.

・OC0 Cross Section (Figure 51)

This section runs longitudinally from the southwest to the northeast in the OC sub-prospect through the Oued Jebes and the Kef Lasfer old workings. Apparent resistivities in the section generally indicate high beyond 50 Ωm. High anomalies of apparent resistivity exceeding 100 Ωm is recognized from the station OC0-20 to 60 including the Oued Jebes old working in the southwestern part of the section and between the station OC0-140 and 170 in the northeastern part. Low anomalies of apparent resistivity less than 10 Ωm lies from the station OC0-80 to 120 in the central shallow part and in the northeastern end of the section.

It is wondered that no valid anomaly of observed chargeability is recognized in this section although there is two mineral indications.

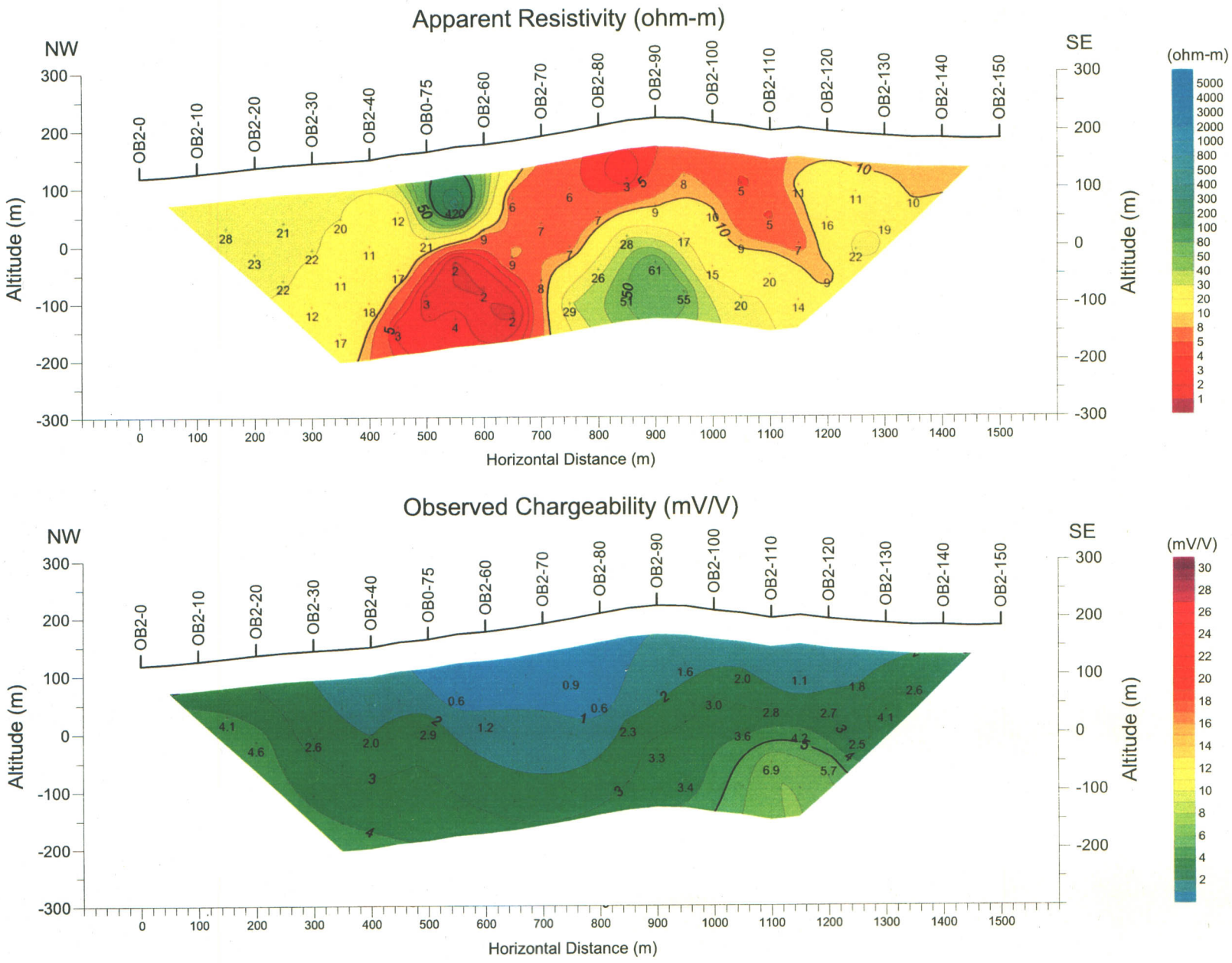


Figure 48 Observed IP pseudo-section (Line OB2)

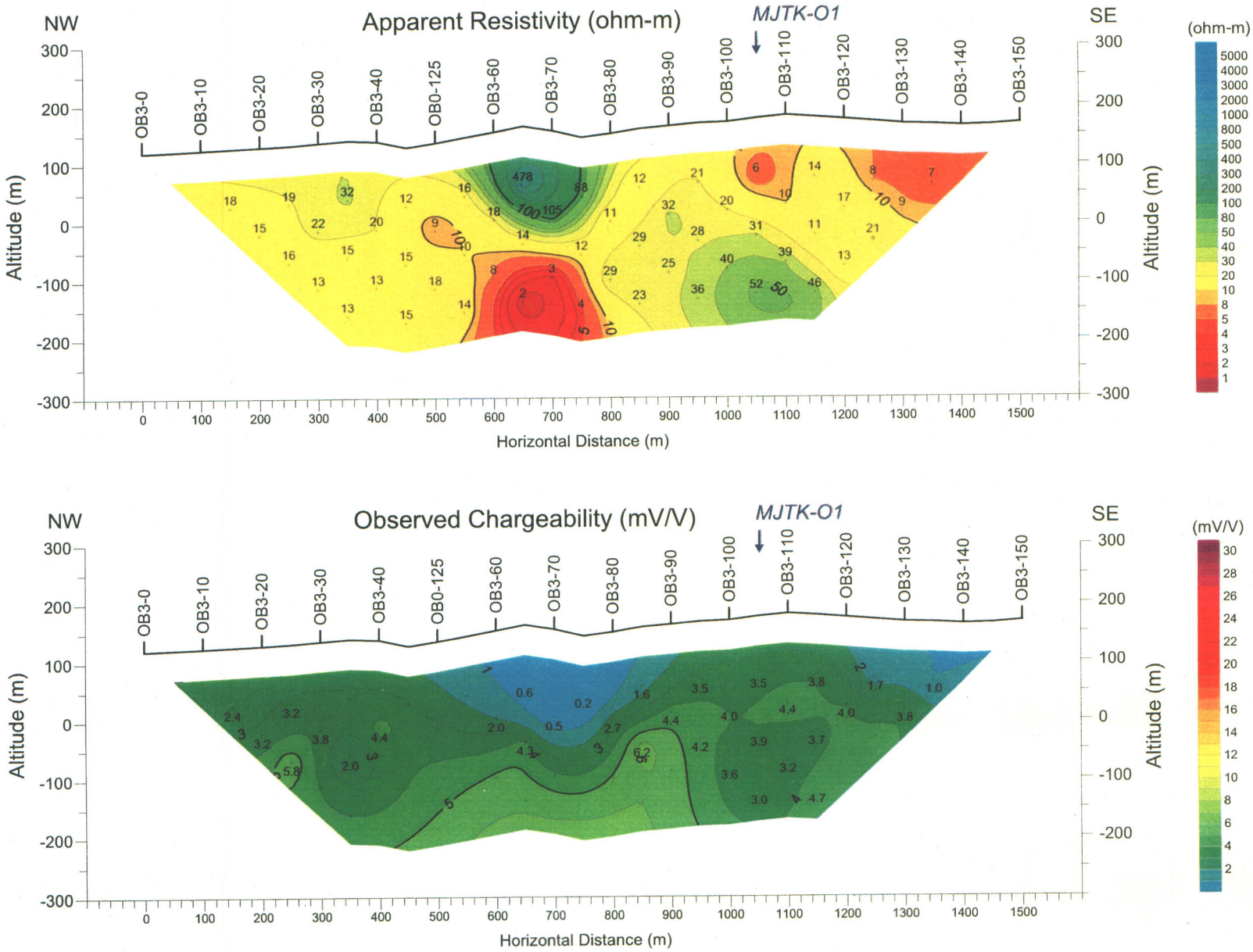


Figure 49 Observed IP pseudo-section (Line OB3)

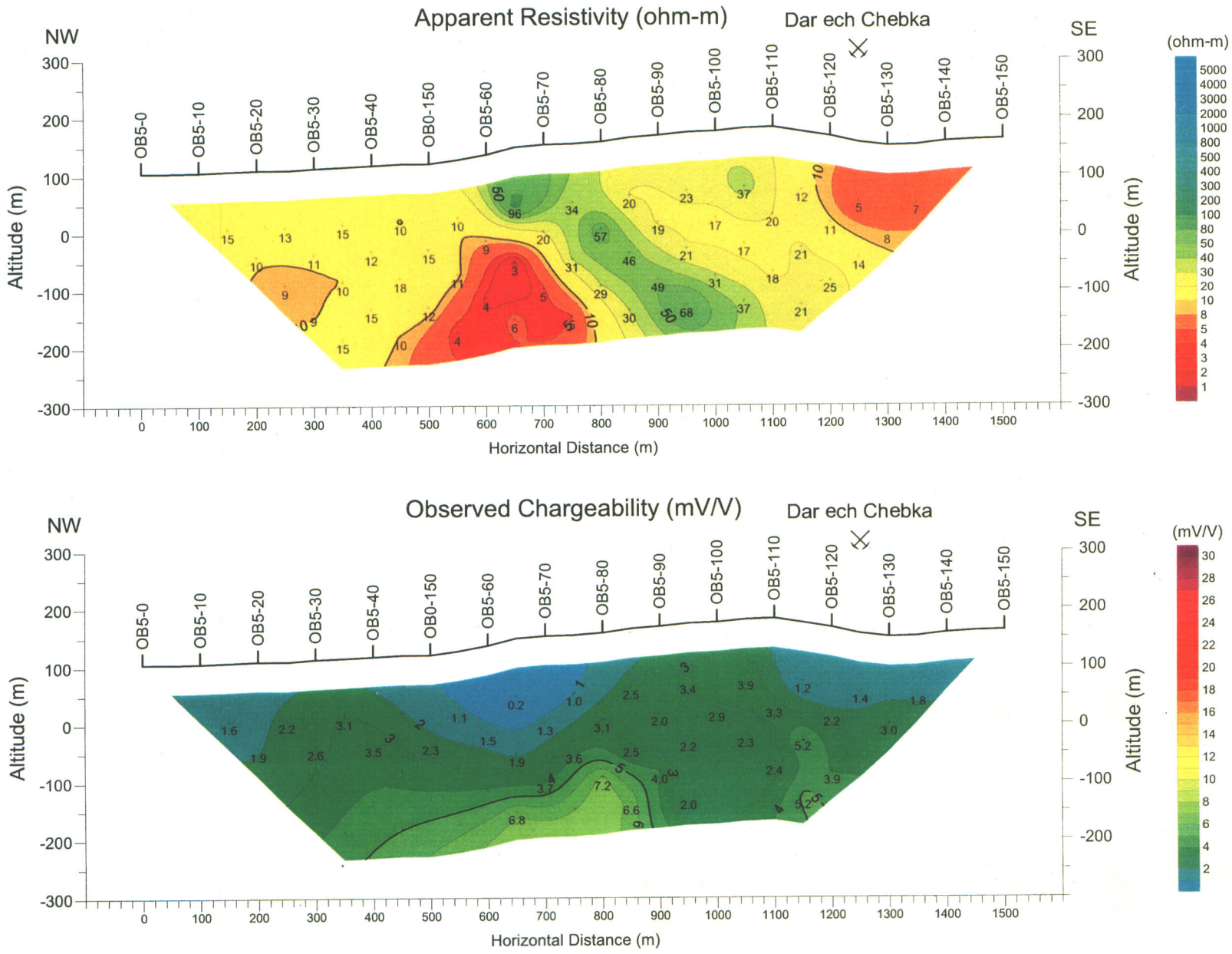


Figure 50 Observed IP pseudo-section (Line OB5)

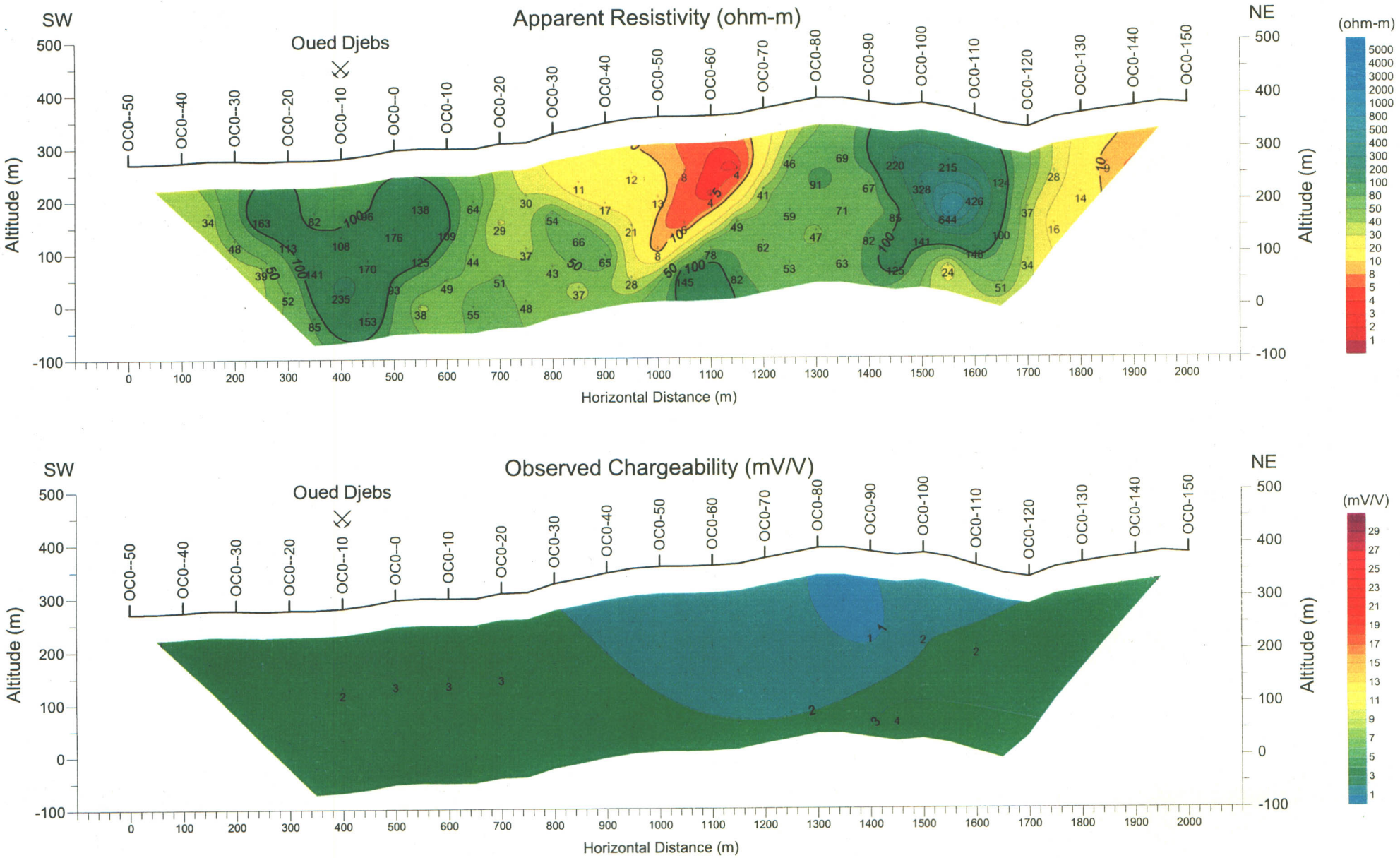


Figure 51 Observed IP pseudo-section (Line OC0)

・OC1 Cross Section (Figure 52)

This section runs from the northwest to the southeast in the west part of the Djebel el Mauhra hills. High anomaly of apparent resistivity exceeding 100 Ωm extends in the northwestern side of the station OC1-40. Low anomaly of apparent resistivity less than 20 Ωm is stretching from the shallow part around the station OC1-60 to the deep part around the OC1-110.

The weak anomaly of observed chargeability exceeding 5mV/V is recognized in the deep between the station OC1-110 and 120 in the southeastern part of the section.

・OC2 Cross Section (Figure 53)

This section runs in the central part of the OC sub-prospect. High anomalies of apparent resistivity exceeding 100 Ωm are distributed in the northwestern side of the station OC2-40 in the central part and in the deep part between the station OC0-125 and OC2-70. Low anomaly of apparent resistivity less than 10 Ωm lies in the shallow part from the station OC1-70 to 80.

The weak anomaly of observed chargeability exceeding 5mV/V in the central part of the section is not important so much.

・OC3 Cross Section (Figure 54)

This section crosscuts the OC sub-prospect from the northwest to the southeast through the Kef Lasfer old working in the central part of the Djebe el Maurhra hills. High apparent resistivity exceeding 50 Ωm extends northwestwards from the station OC3-60. Low anomaly of apparent resistivity less than 10 Ωm is lying in the deep part between the station OC0-125 and OC3-70 in the central part of the section.

The weak anomaly of observed chargeability exceeding 5 mV/V is stretching from the shallow part around the station OC3-60 to the deep part around the station OC3-40 in the vicinity of the Kef Lasfer old working.

・OC4 Cross Section (Figure 55)

This section crosscuts the OC sub-prospect from the northwest to the southeast in the west part of the Djebel el Mourra hills. High apparent resistivity exceeding 100 Ωm are extends in the northwestern side of the OC4-30, and apparent resistivities in the opposite side indicate low less than 50 Ωm. The low anomaly of apparent resistivity below 10 Ωm lies inside this low apparent resistivity zone.

There is no valid anomaly of observed chargeability in this section.

・OD0 Cross Section (Figure 56)

This section crosscuts longitudinally the OD sub-prospect from the southwest to the northeast through the Rag el Bagrat mineral indication in the northeastern part of the Djebel el Maurha hills. Apparent resistivities in this section indicate high beyond 50 Ωm except for in the northeastern end. High anomaly of apparent resistivity exceeding 100 Ωm extends widely.

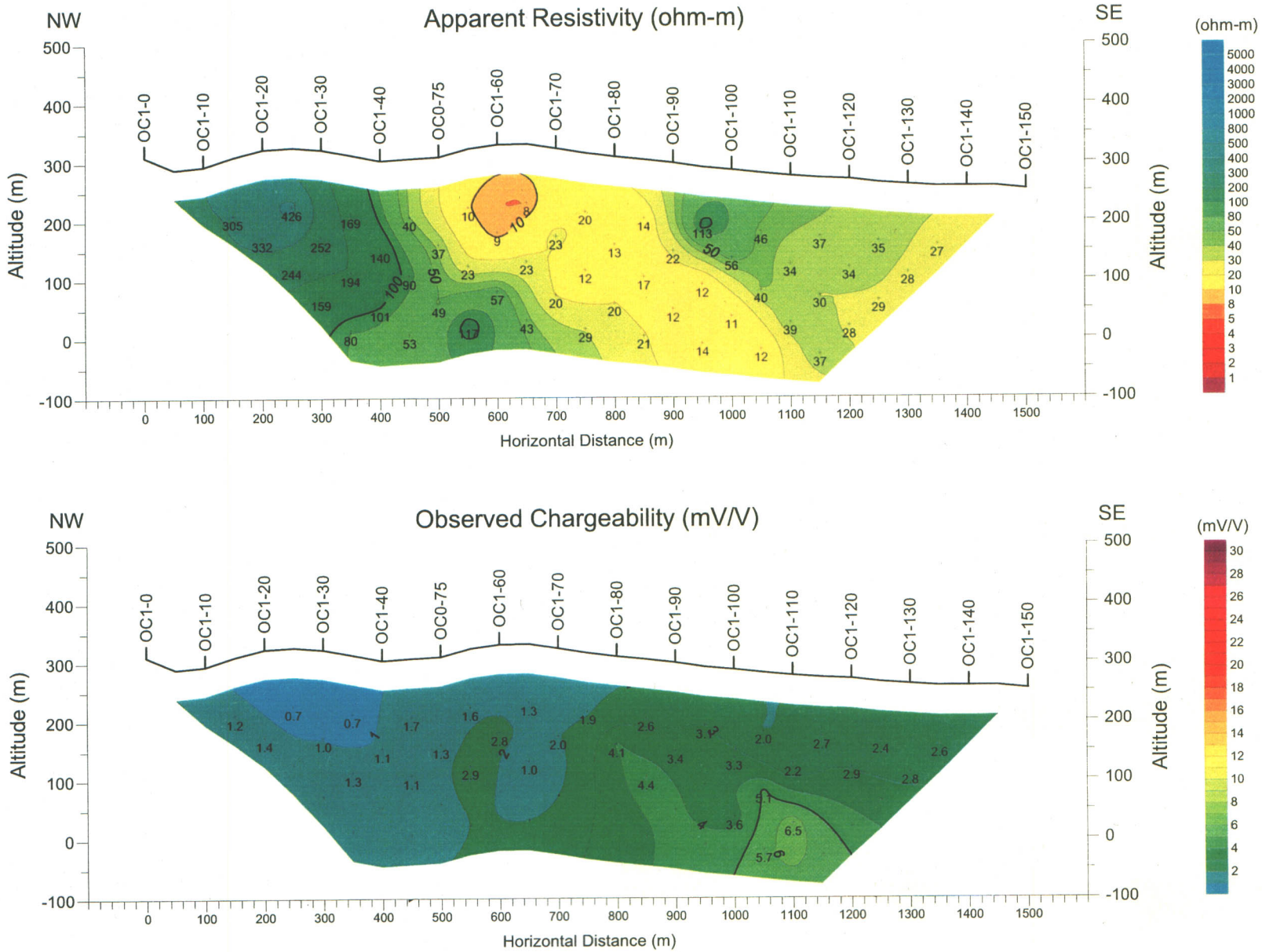


Figure 52 Observed IP pseudo-section (Line OC1)

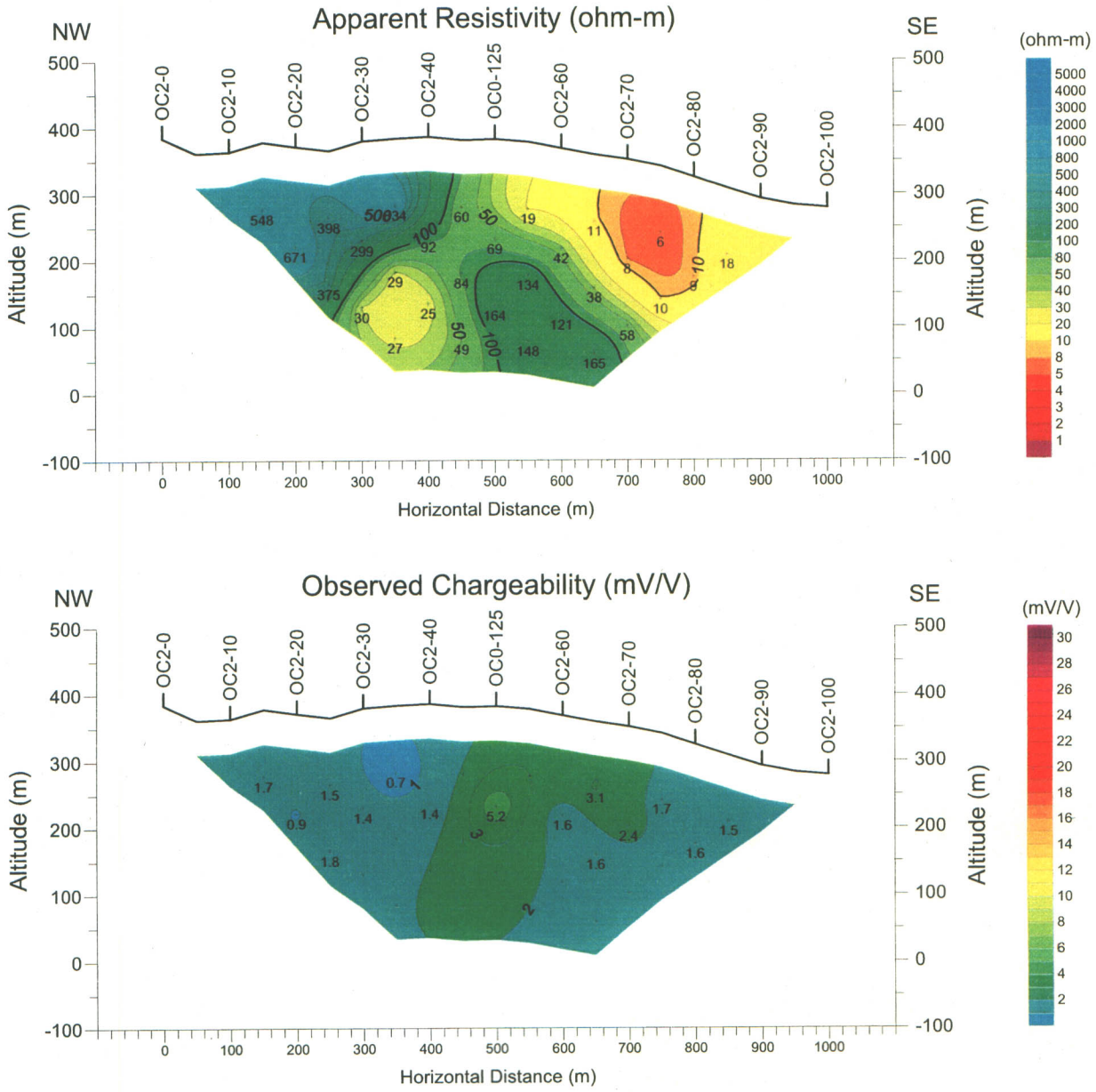


Figure 53 Observed IP pseudo-section (Line OC2)

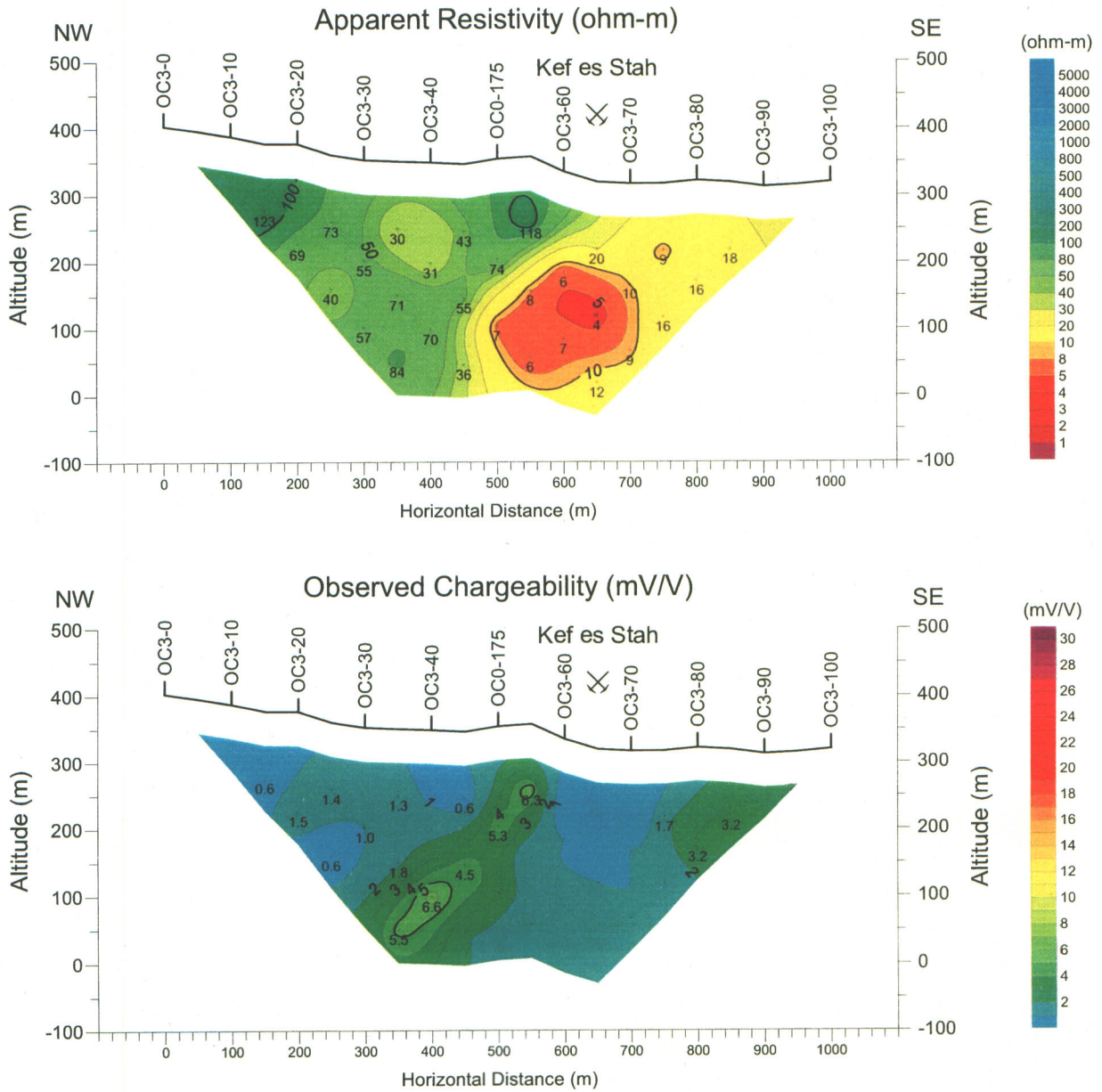


Figure 54 Observed IP pseudo-section (Line OC3)

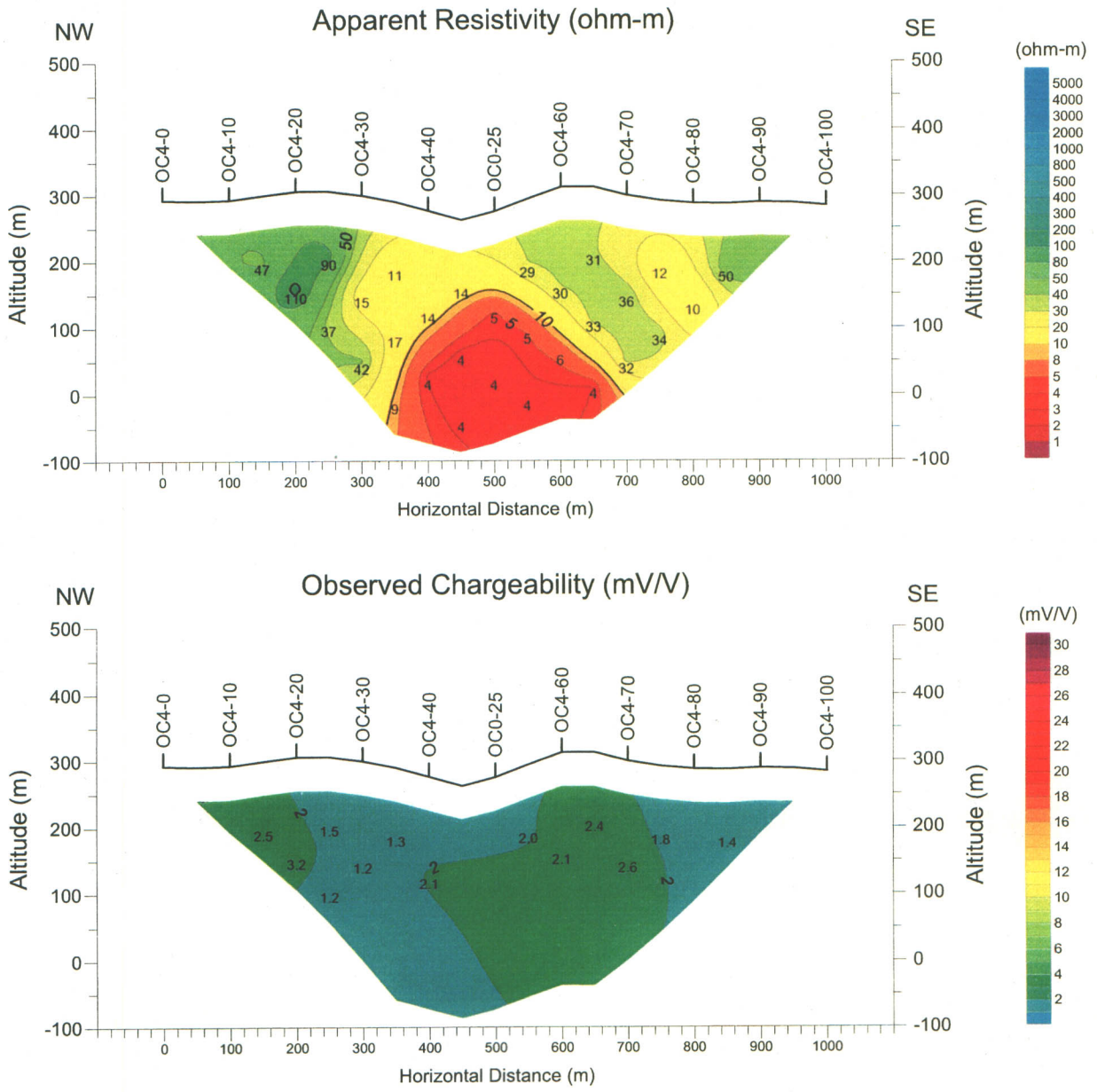


Figure 55 Observed IP pseudo-section (Line OC4)

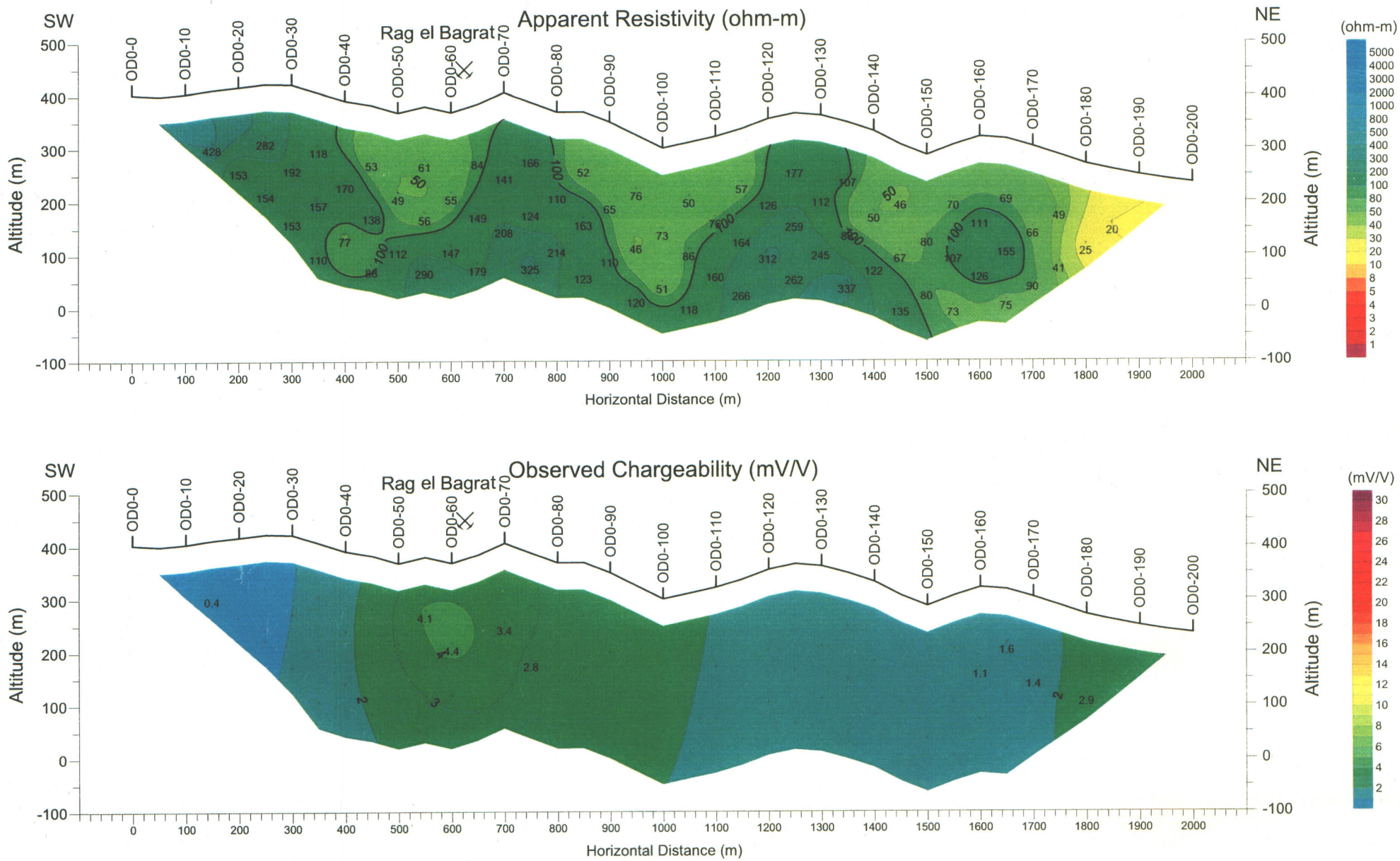


Figure 56 Observed IP pseudo-section (Line OD0)

The weak anomaly of observed chargeability exceeding 4 mV/V is recognized in the shallow part around the station OD0-60 in the vicinity of the Rag el Bagrat mineral indication.

・OD1 Cross Section (Figure 57)

This section traverses the OD sub-prospect from the northwest to the southeast through the Rag el Bagrat mineral indication in the northeastern part of the Djebel el Maurha hills. Apparent resistivity in the northwestern side of the station OC0-100 in the central part of the section indicate high beyond 100 Ωm, low apparent resistivities less than 50 Ωm is distributed in the opposite southeastern side. A low anomaly of apparent resistivity below 10 Ωm lies deeply inside the low apparent resistivity zone.

The strong anomaly of observed chargeability beyond 10 mV/V is recognized in the shallow between the OD1-60 and 70 in the central part of the section.

・OD2 Cross Section (Figure 58)

This section runs from the northwest to the southeast in the central part of the OD sub-prospect. Such as the section OD1 apparent resistivities in the northwestern side of the station OD1-70 indicate high exceeding 100 Ωm, low apparent resistivities below 50 Ωm is distributed in the opposite southeastern side. The latter low apparent resistivities tend to decrease southeastwards.

There is a weak anomaly of observed chargeability exceeding 5mV/V stretching from the shallow around the station OD2-70 in the southeastern part of the section to the deep around the station OD0-100 in the central part.

・OD3 Cross Section (Figure 59)

This section runs from the northwest to the southeast in the northeast edge of the Djebel el Maurhra hills. Almost apparent resistivities in the section indicate high exceeding 50 Ωm except for in the southeastern end.

There is no valid anomaly of observed chargeability in this section.

② Plan Map of Apparent Resistivity and Observed Chargeability

・Plan map of apparent resistivity n=1 in OA sub-prospect (Figure 60)

Apparent resistivity high exceeding 50 Ωm is distributed in the northwestern side of the base line OA0 along the Bou Mouss hills, apparent resistivity low less than 30 Ωm extends in the opposite southeastern side. Within the high apparent resistivity zone a low anomaly of apparent resistivity less than 50 Ωm lies between the station OA2-10 and OA3-20 in the northwestern side of the Bou Mouss old workings. Within the low apparent resistivity zone the low anomaly of apparent resistivity below 10 Ωm is located in the southeastern part of the survey line OA4.

・Plan map of apparent resistivity n=2 in OA sub-prospect (Figure 61)

The apparent resistivity distribution in this map has same features as the map of n=1.

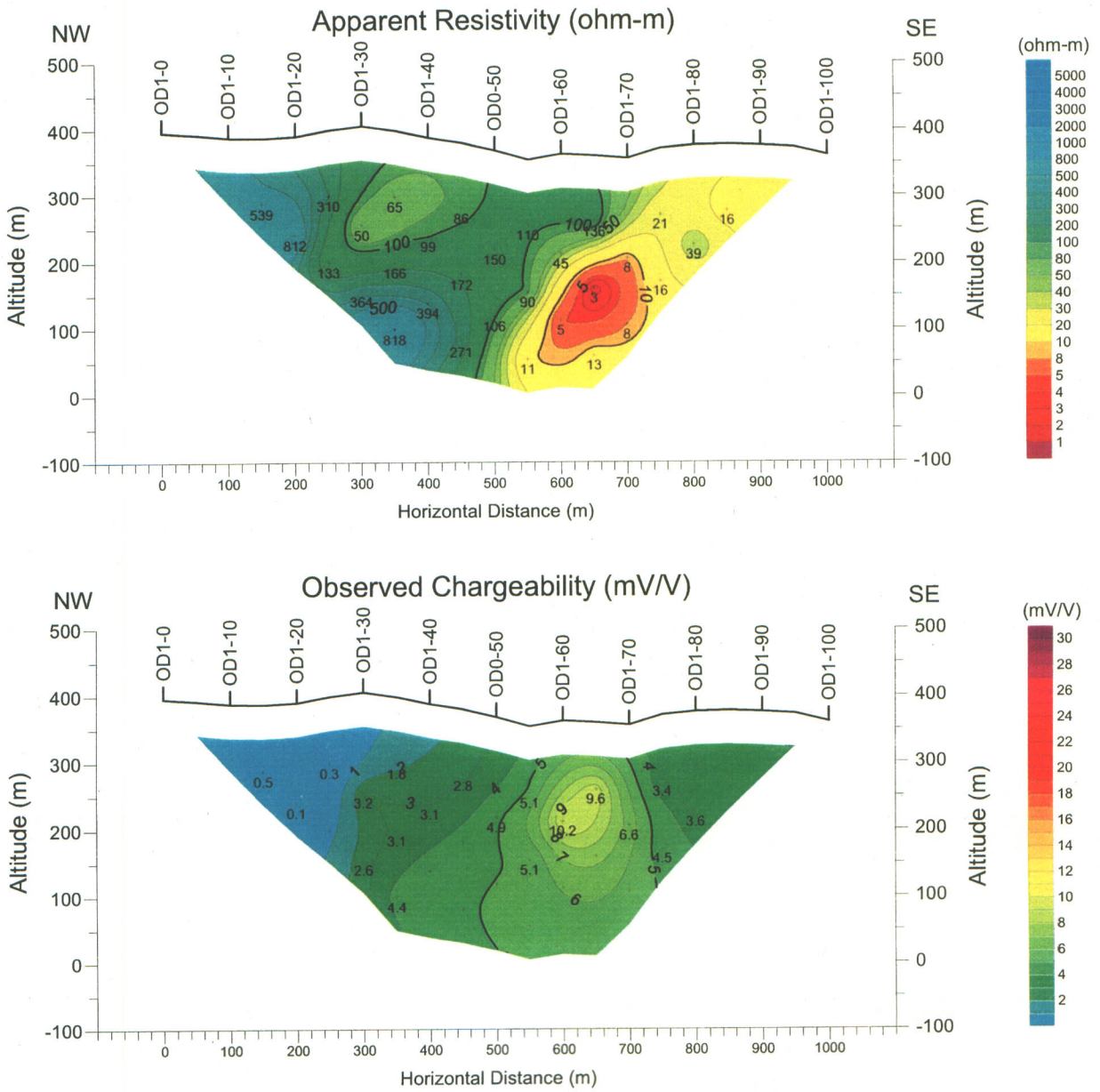


Figure 57 Observed IP pseudo-section (Line OD1)

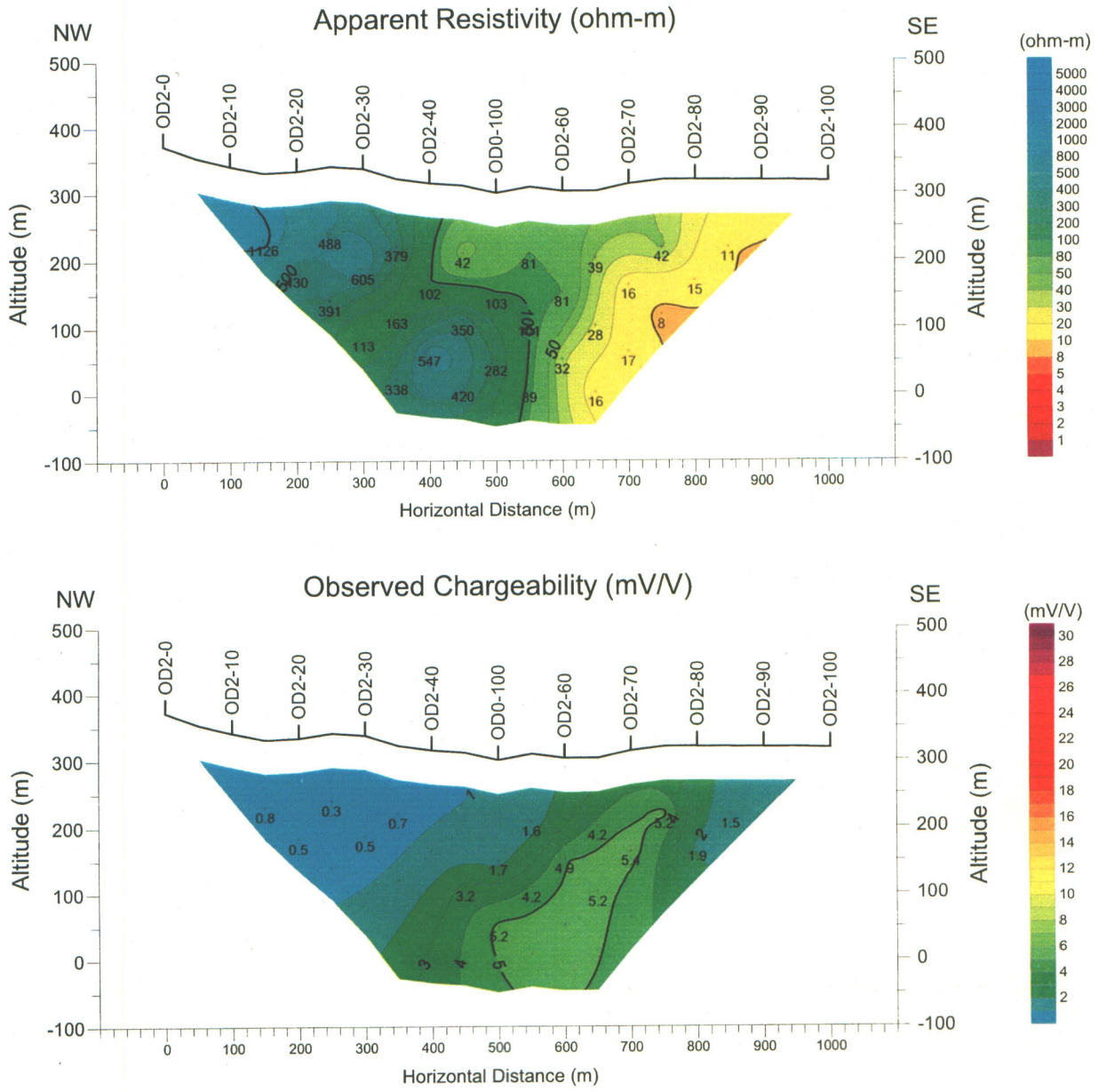


Figure 58 Observed IP pseudo-section (Line OD2)

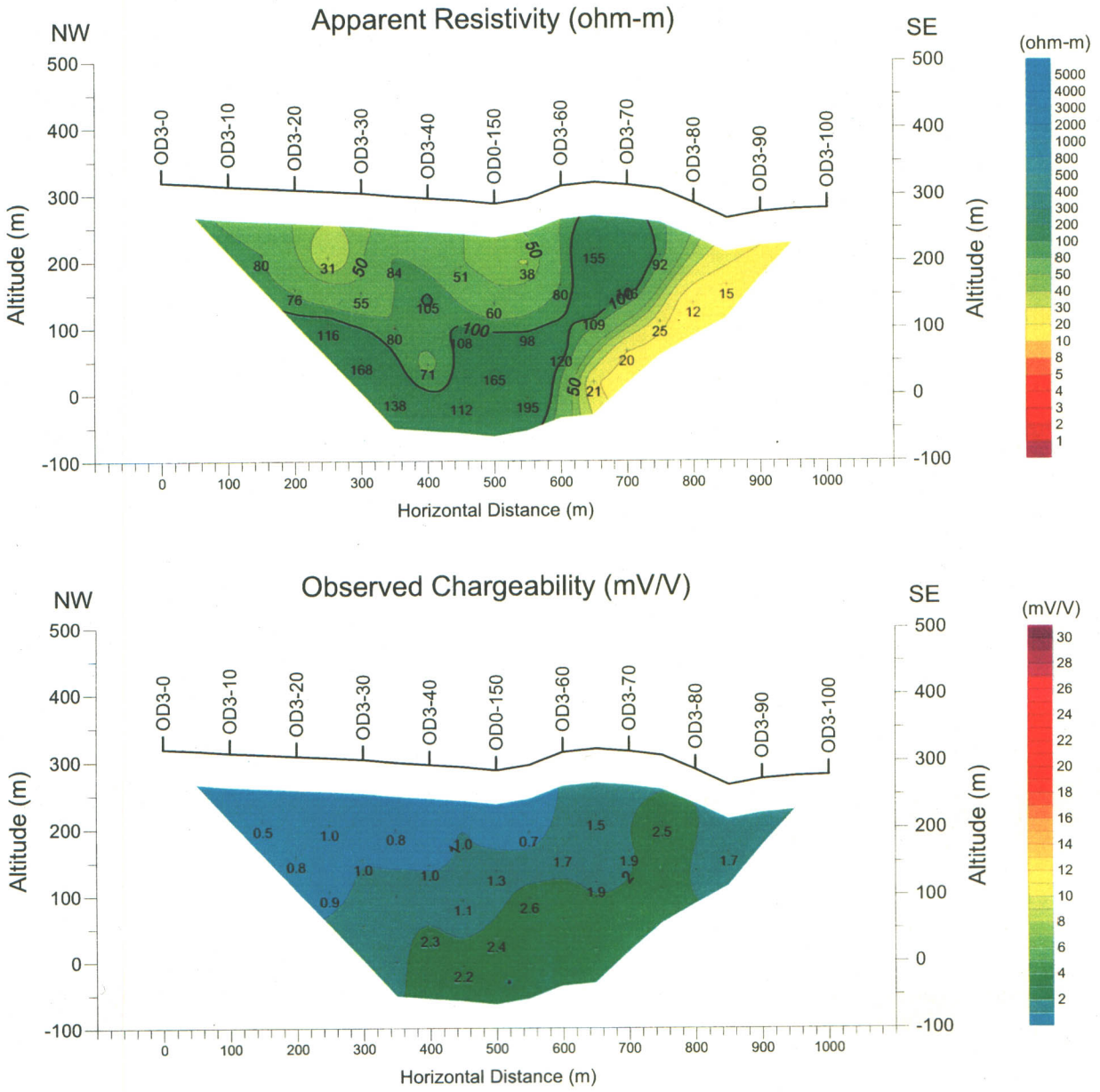
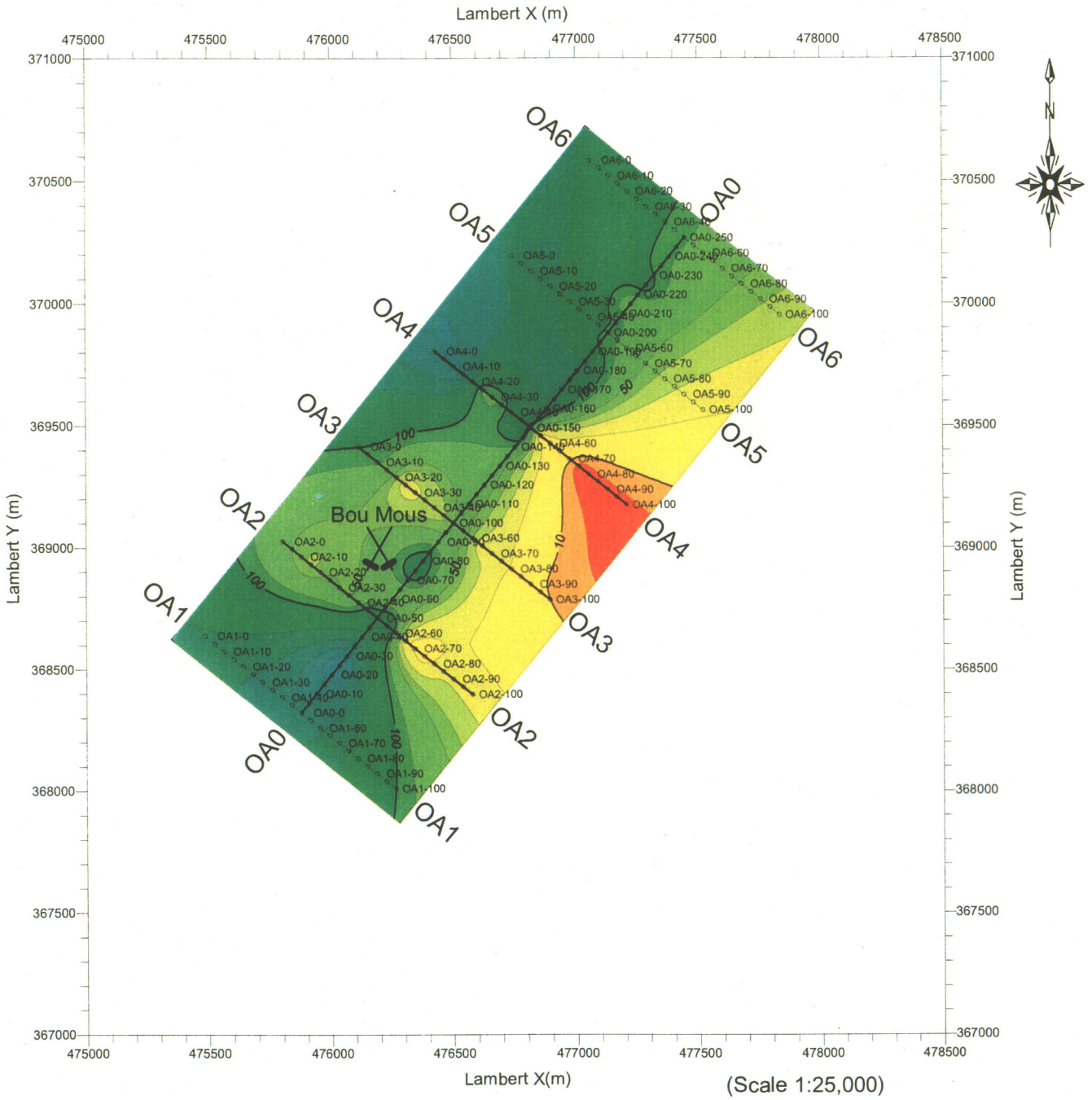


Figure 59 Observed IP pseudo-section (Line OD3)



Legend

Profiles for IP and Gravity survey

Profiles for Gravity survey

Stations

Ancient Works

Apparent Resistivity (ohm-m)

1 3 5 10 30 50 100 300 500 1000 3000 5000

Figure 60 Plan map of apparent resistivity in Oued Jebs-OA prospect (n=1)

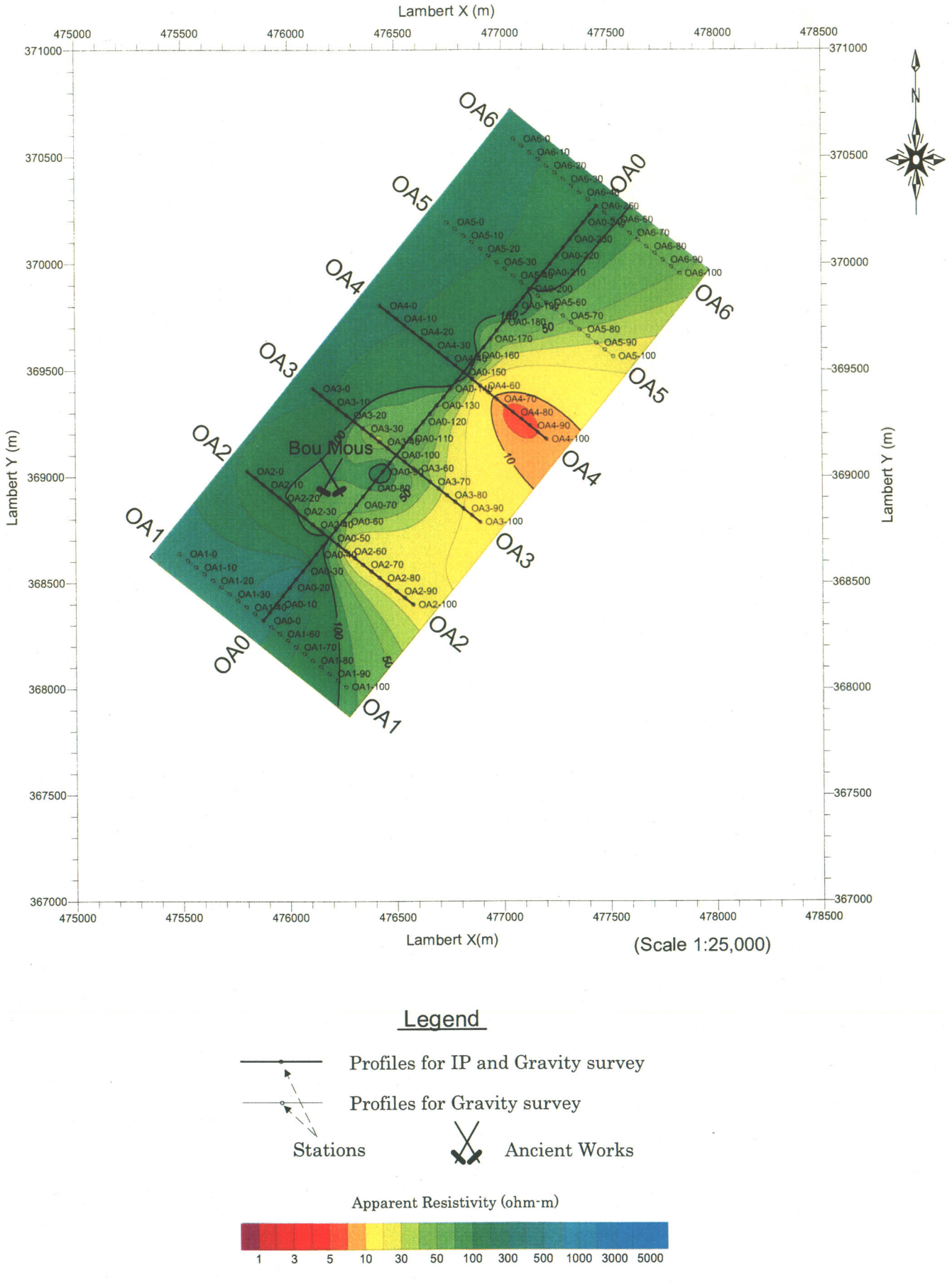


Figure 61 Plan map of apparent resistivity in Oued Jebs-OA prospect (n=2)

The low anomaly of apparent resistivity below 50 Ωm in the northwestern side of the Bou Mouss old working inside the high apparent resistivity zone decreases only around the station OA3-30.

・Plan map of apparent resistivity n=3 in OA sub-prospect (Figure 62)

The apparent resistivity becomes high in general. The low anomaly of apparent resistivity below 50 Ωm only around the station OA3-30 inside the high apparent resistivity zone decreases very small. The very small low anomaly of apparent resistivity less than 10 Ωm in the survey line OA4 is recognized around the station OA4-60.

・Plan map of apparent resistivity n=4 in OA sub-prospect (Figure 63)

The apparent resistivity becomes higher generally. Apparent resistivity high exceeding 50 Ωm almost covers the northwestern side of the base line OA0. There is no low apparent resitivity in the vicinity of the Bou Mouss old working. The zone of apparent resistivity low below 30 Ωm become smaller in the southeastern side, no low anomaly of apparent resistivity less than 10 Ωm is recognized.

・Plan map of observed chargeability n=1 in OA sub-prospect (Figure 64)

The weak anomaly of observed chargeability exceeding 5 mV/V is located in the vicinity of the Bou Mouss old working in the southwestern part of the OA sub-prospect. There is no other valid anomaly of observed chargeability.

・Plan map of observed chargeability n=2 in OA sub-prospect (Figure 65)

The weak anomaly of observed chargeability beyond 5mV/V becomes greater than one of electrode separation index n=1. The observed chargeability around the cross point between the base line OA0 and the line OA2 indicates higher exceeding 10 mV/V in the weak anomaly.

・Plan map of observed chargeability n=3 in OA sub-prospect (Figure 66)

The maximum observed chargeability of the weak anomaly in the vicinity of the Bou Mouss old working decrease to approximately 3 mV/V.

・Plan map of observed chargeability n=4 in OA sub-prospect (Figure 67)

There is no valid anomaly of observed chargeability in this plan map.

・Plan map of apparent resistivity n=1 in OB sub-prospect (Figure 68)

Apparent resistivity low less than 30 Ωm is distributed widely except for a high anomaly of apparent resistivity above 50 Ωm in the central part. A low anomaly of apparent resistivity less than 10 Ωm extends in the southern part. The high apparent resistivity anomaly is corresponded to the Triassic systems, and the low anomaly is corresponded to the Tertiary systems.

・Plan map of apparent resistivity n=2 in OB sub-prospect (Figure 69)

The high apparent resistivity anomaly becomes smaller, and is divided into two anomalies around the station OB0-80 and around the station OB3-70. The low anomaly

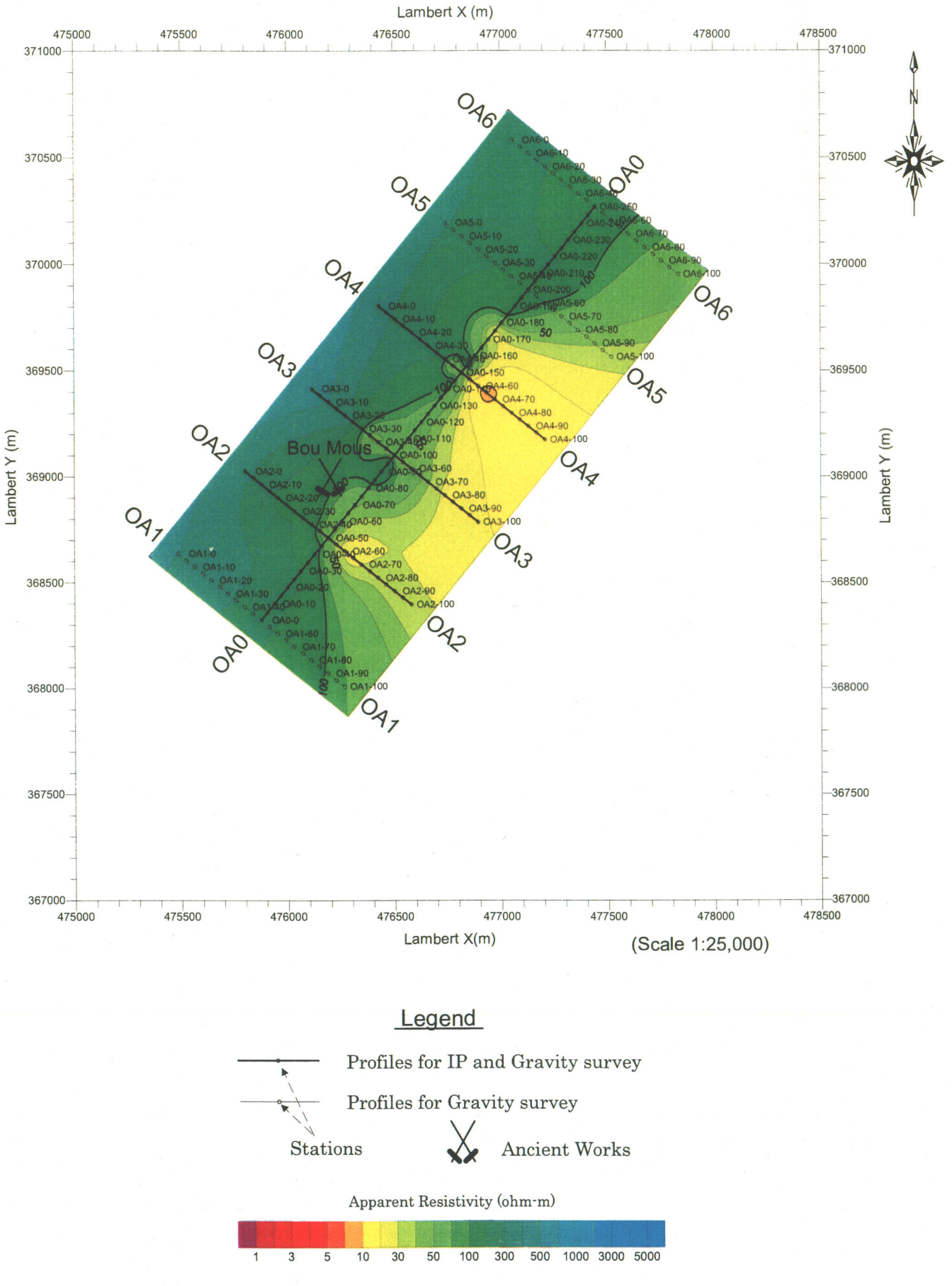
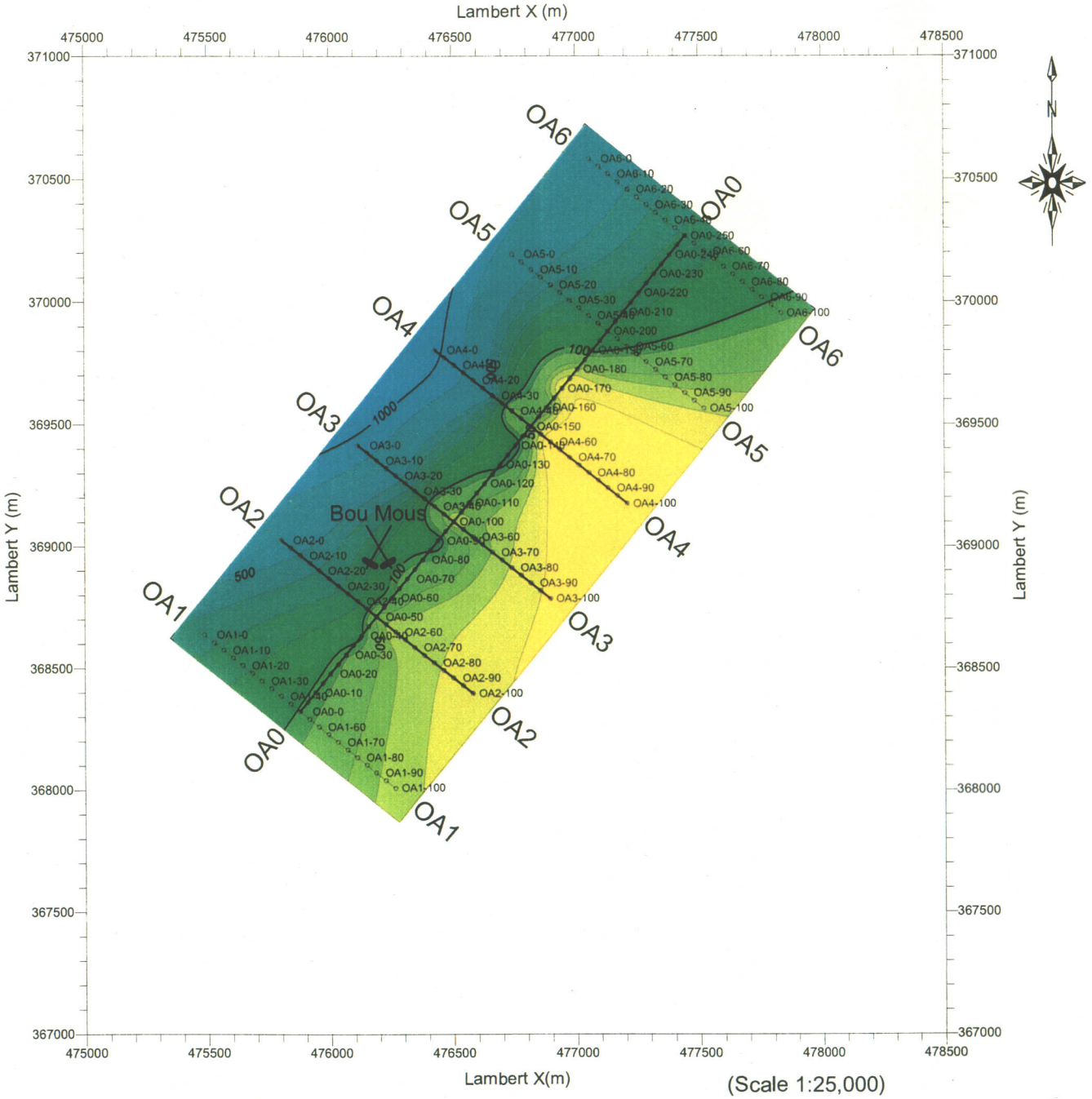


Figure 62 Plan map of apparent resistivity in Oued Jebs-OA prospect (n=3)



Legend

Profiles for IP and Gravity survey

Profiles for Gravity survey

Stations

Ancient Works

Apparent Resistivity (ohm-m)

1 3 5 10 30 50 100 300 500 1000 3000 5000

Figure 63 Plan map of apparent resistivity in Oued Jebs-OA prospect (n=4)

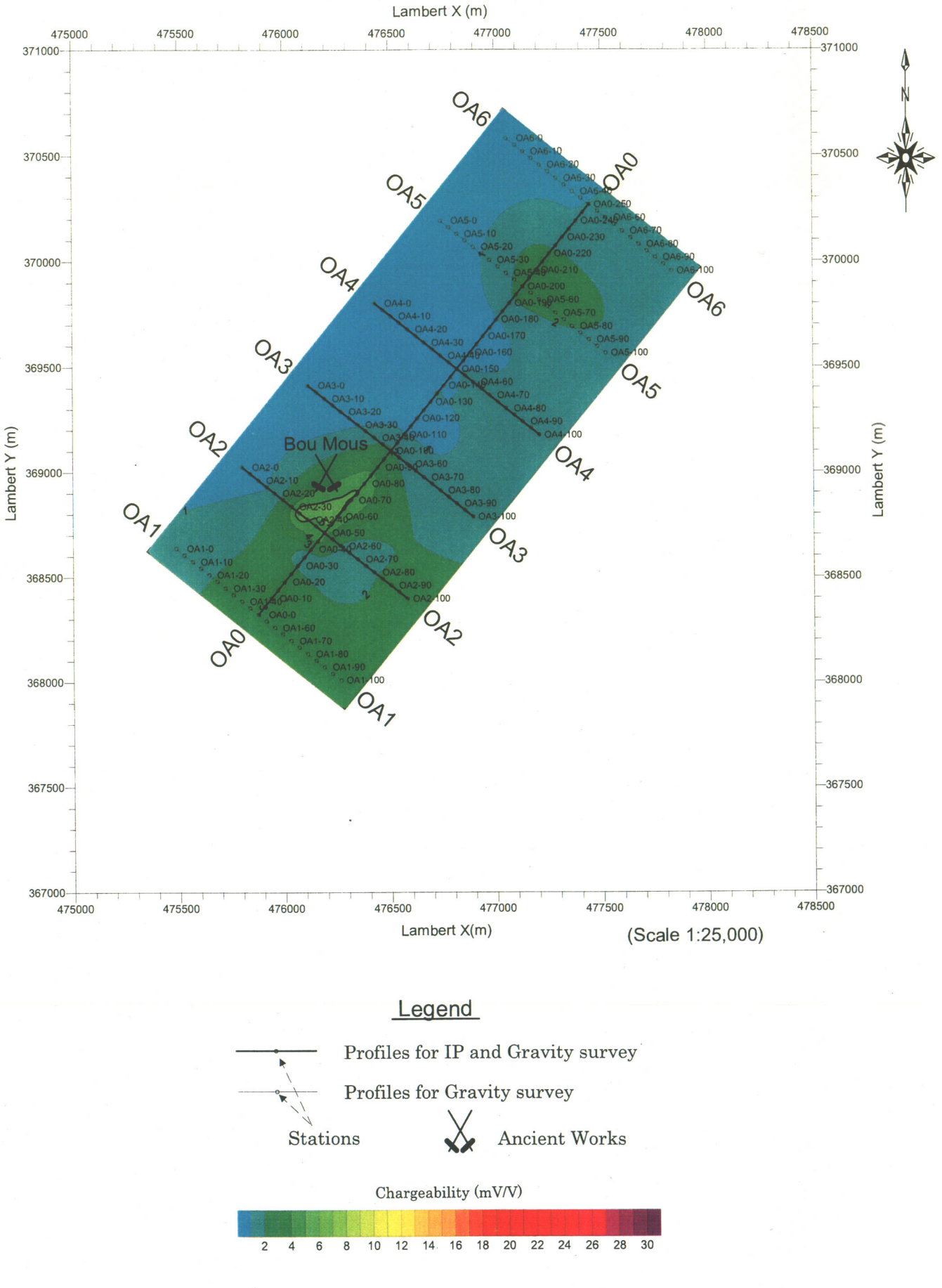


Figure 64 Plan map of observed chargeability in Oued Jebs-OA prospect (n=1)

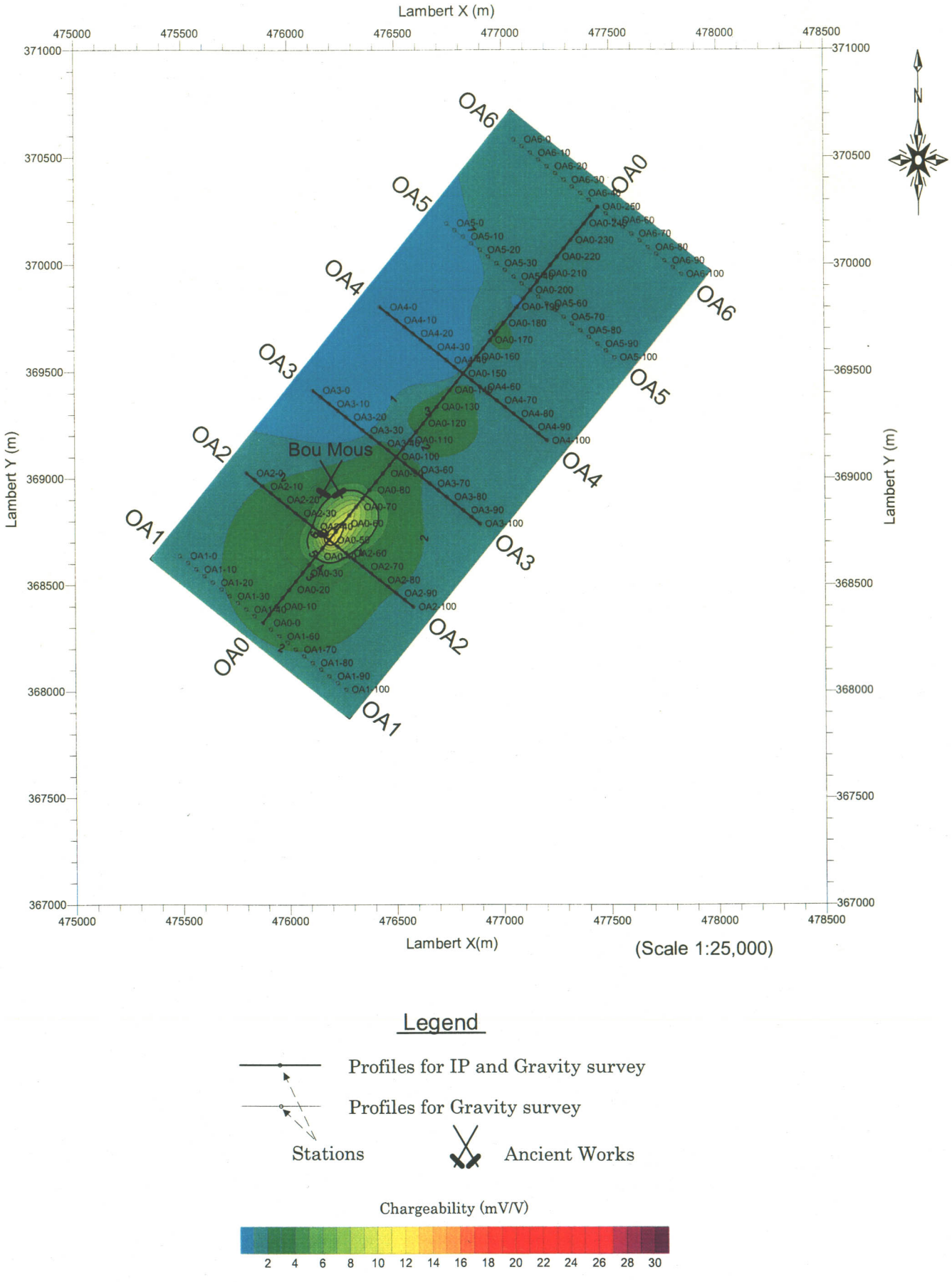


Figure 65 Plan map of observed chargeability in Oued Jebs-OA prospect (n=2)

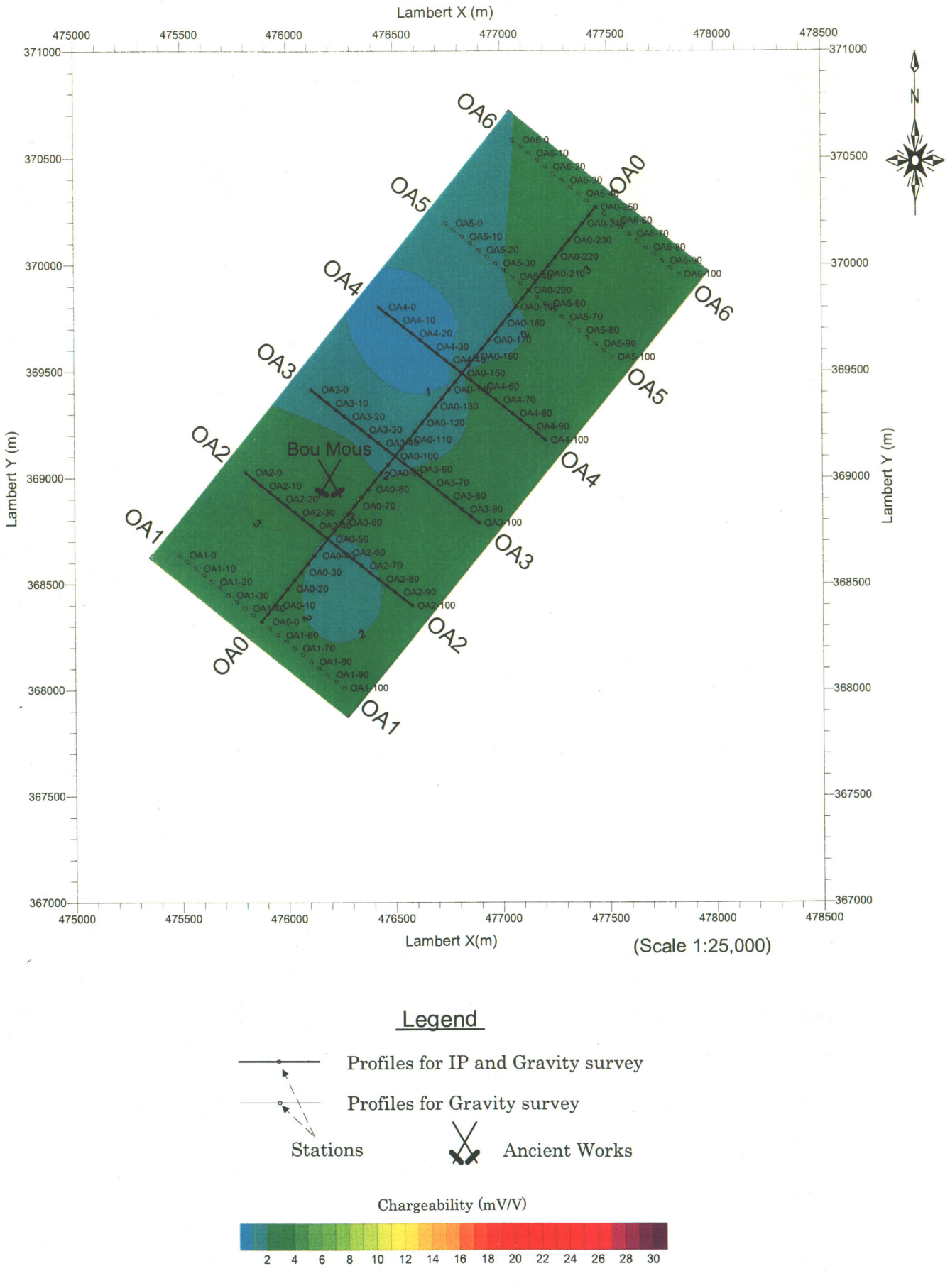


Figure 66 Plan map of observed chargeability in Oued Jebs-OA prospect (n=3)

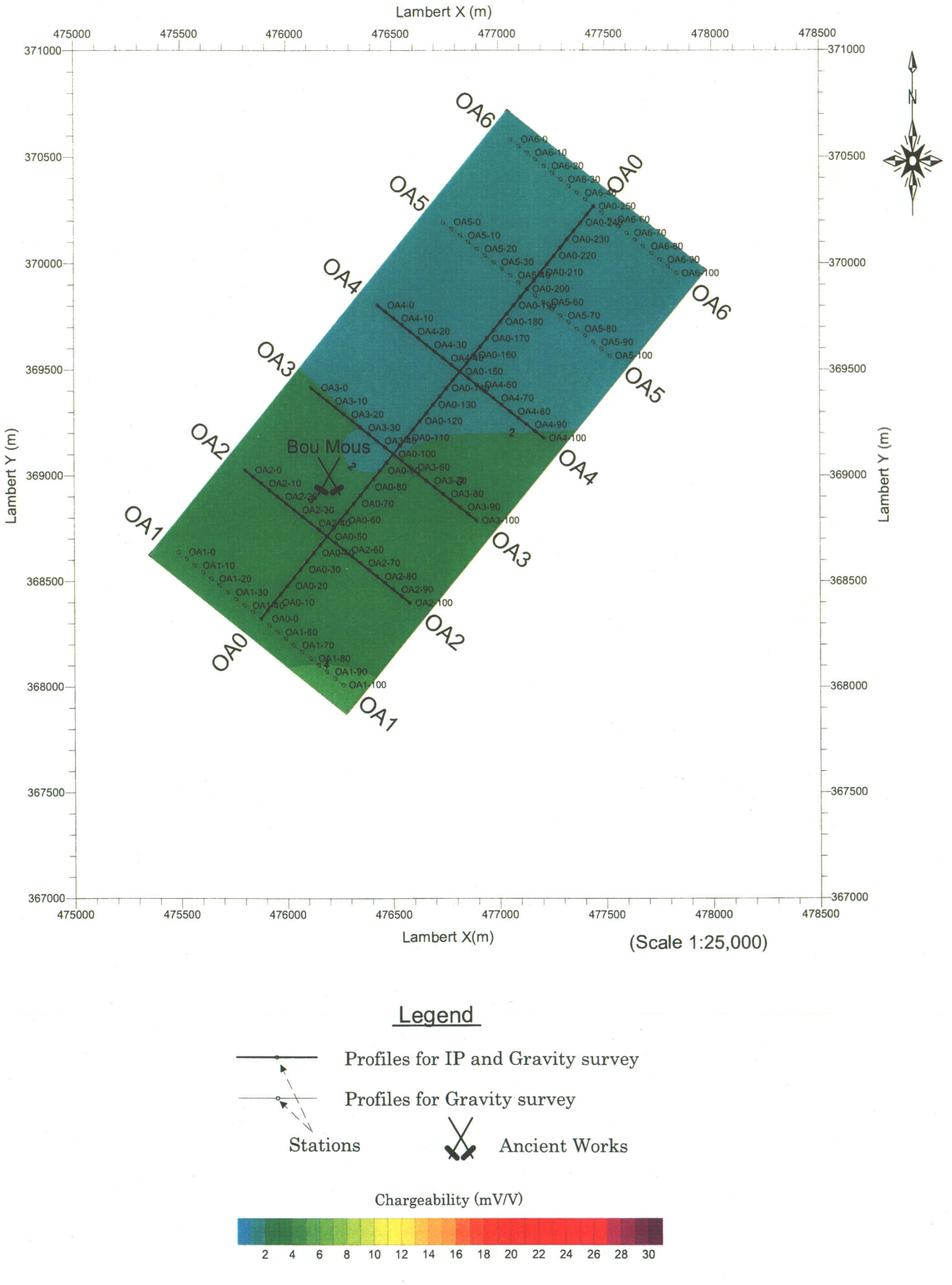


Figure 67 Plan map of observed chargeability in Oued Jebs-OA prospect (n=4)