

Southern Morocco

Naturetrek Tour Report

20 – 29 March 2009

Report compiled by Dave Suddaby & Reg Thorpe



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Day 1

Friday 20th March

Marrakech

With two flights out per day to Marrakech courtesy of EasyJet airlines the whole group met that evening in a plush Marrakech hotel. The majority of the group opted for the morning flight out of Gatwick Airport; which departed on time and arrived at Marrakech in the early afternoon. After clearing passport control/customs and changing money we headed for our hotel. After freshening up we drove into the old part of Marrakech and after lunch enjoyed a guided tour of the fascinating medina; whilst Little and Pallid Swifts screamed overhead and House Buntings hopped around our feet.

The remaining group members departed Gatwick Airport on the afternoon flight; which arrived that evening into a torrential downpour complete with an impressive lightening show at Marrakech. After clearing passport control/customs and money changing we drove through the flooded city streets where we arrived at the hotel for our evening meal before a relatively early night, in anticipation of the High Atlas Mountains the following day.

Day 2

Saturday 21st March

Marrakech to El-Kelaa M'Gouna 273km

Thankfully the rain stopped overnight and several of us met before breakfast to look around the garden of the hotel; this provided excellent views of an adult and 3 fledged young Maghreb Tawny Owls (a good start to the tour!). Also in the garden were our first migrants, with a couple of Western Olivaceous Warblers and Chiffchaffs noted, along with the 'usual' Pallid and Little Swifts overhead and Cattle Egrets flying past. After breakfast, we loaded the buses and were on the road at 08.00, working our way through Marrakech and south towards the mountains. This is a day of travel, during which we would cross the High Atlas Mountains and descend into the more arid conditions of sub-Saharan landscapes.

We began our ascent into the mountains, with an in flight Barbary Partridge, and our first stops before Toufliat included a short walk through an area of open pine trees which offered our first good views of migrating Booted Eagles (both light and dark morphs) along with a few Long-legged Buzzards and in the trees the North African race of Chaffinch, singing Serins and a Crossbill. A little further along we stopped for coffee from where a Blue Rock Thrush was noted and the distinctive race of Jay flew across the road. Just down the road we took a short walk into the forest and found Siskins, along with 'Atlas' Coal Tit, *ultramarinus* Blue Tits and Robins, whilst a Griffon Vulture soared overhead (a rare sight in Morocco!).

Back at the buses we continued on our ascent stopping at the mountain village of Taddart where we had lunch and our first views of Moussier's Redstarts, Rock Bunting, Nightingale and migrating Bee-eaters; along with these were 'large' numbers of migrating Painted Lady butterflies – flying passed us at 'speed' clearly set on a determined course. Continuing on after lunch the cloud base had descended and 'wet snow' greeted us just before the pass of the Tizi-n-Tichka; we therefore continued on. On our descent, the weather started to clear again and we had our first views of Black Wheatears before stopping at the Barrage El Mansour Eddahbi for the last of the daylight. The highlights at the Barrage were 5 Fulvous Babblers in the tamarisks and 3 Gull-billed Terns flying through.

The journey to the Hotel Les Roses de Dadés in El-Kelaa M'Gouna was under the cover of darkness. On arrival at 19.30 we checked in; this was then followed by our evening meal before retiring, leaving the Berber dancers to continue to entertain everyone else!

Day 3

Sunday 22nd March

El-Kelaa M'Gouna – Tagdilt and Dadés Gorge 158km

A walk through the hotel garden pre-breakfast produced good views of Western Bonelli's Warblers and within the oued, a nice Moroccan Wagtail. After breakfast we headed off at 08.00 to the famous Tagdilt Track and the open 'Hamada' to look for the larks, wheatears and other desert species. From the main road we turned off along a tarmac track where we soon stopped for our first views of Red-rumped and Desert Wheatears, Temminck's Horned Larks and Greater Short-toed Larks. Driving slowly along the track we stopped at a 'water-hole' and were rewarded with excellent views of 18 Crowned Sandgrouse, along with a lone Trumpeter Finch. We could hear Cream-coloured Coursers calling so decided to walk out onto the gravel plain, unfortunately we couldn't locate them but had a pair of Thick-billed Larks flying and landing repeatedly as they moved over the area.

We also had further excellent views of Red-rumped and Desert Wheatears, and large numbers of Greater Short-toed Larks, several Lesser Short-toed Larks and Temminck's Horned Larks. We could hear Hoopoe Larks singing and were eventually rewarded with good views of 3 birds; 2 of which were clearly a pair!

Back at the buses, we drove a little further and soon stopping again for perched and flying Long-legged Buzzards, at which point a pair of adult Lanner Falcons put on a stunning display for us directly overhead! Contented and with the increasing heat haze we retired for coffee, from where 4 Short-toed Eagles passed overhead before we headed for lunch in the oasis of the Dadés Gorge. The gorge is spectacular with unique red sandstone rock formations.

From our lunch spot, another Short-toed Eagle passed overhead along with migrating Bee-eaters whilst our first good views of Crag Martins whizzed around us. After lunch we drove further up the gorge to the panoramic view point from where we walked back down to the bus parked at La Kasbah de la Vallée. This produced our only Tristram's Warbler of the trip, along with a Rock Bunting and the usual Crag Martins, Blue Rock Thrushes, Black Redstarts and Black Wheatears. Back at the buses Nightingales, Blacksp and Western Bonelli's Warblers were noted. Further back down the gorge a group of 15 Night Herons, several Black Kites and White Storks entertained us before we returned to our hotel where the Berber dancers entertained exuberantly whilst we endeavored to eat our evening meal.

Day 4

Monday 23rd March

El-Kelaa M'Gouna to Erfoud 273km

Pre-breakfast, the hotel garden and the oued produced a similar array of species as the previous morning, however over breakfast 2 Hoopoes came and sat on the wall which produced some fine views. After breakfast, we loaded up the buses to continue our journey into the desert. Our first stop was a return visit to the Tagdilt area. This produced much the same species as the previous day with Crowned Sandgrouse, now increased to 26 in number, and the lone Trumpeter Finch at the 'water-hole', although a single male Spectacled Warbler was new.

Moving on we stopped and had another walk over the gravel plain, again this produced a similar array of species but with the exception of a confiding Stone Curlew. Thereafter we returned to the bus, having found Scorpions and watched Fat Sand Rats, and made our way towards the spectacular 300m deep Todra Gorge. En route we soon stopped again for excellent views of a male Western Mourning Wheatear by the roadside.

Arriving at Todra Gorge, we had lunch by the river and a short walk after offered birds typical of the rocky terrain such as Crag Martins and Blue Rock Thrushes and high overhead views of Alpine Swifts. By mid-afternoon we left the Todra Gorge and continued our journey further eastwards. Heading into the Marrha plain we soon found White-crowned Black Wheatears and Southern Grey Shrikes; however a short walk before Erfoud only produced a Green Sandpiper!

We arrived at the excellent Hotel Kenzi Belere in Erfoud as the evening closed in. Freshening up and after the lavish buffet dinner a reasonably early night was called for after negotiating an itinerary for the morning.

Day 5

Tuesday 24th March

Erfoud to Merzouga and the desert 80km

This day remains one of the highlights of birding in North Africa – alarm calls at 04.00, breakfast at 04.30 and into the Land Rovers at 05.00. With Leehan and his team of drivers, we headed into the darkness on bumpy tracks over stony featureless desert to our first stop – the deep desert! En route one of the Land Rovers was fortunate to see Egyptian Nightjar flying through the headlights. As the first rays of light started to appear, Leehan stopped the Land Rover and walked a few metres in front. He then told us all to walk the short distance with him and within minutes we were treated to superb views of a male Houbara Bustard performing its bizarre courtship display – like a wind-up clockwork toy!

Satisfied, we left the displaying Bustard to search for some of our other target birds. We quickly located a Bar-tailed Lark, which then prompted a walk through a sparsely vegetated area for views of a male African Desert Warbler being chased by Spectacled Warblers and close views of Hoopoe Larks singing around us. Close-by sandgrouse were heard calling and soon we were treated to stunning views of small groups of Spotted Sandgrouse both in flight and scuttling around on the ground. These vied for our attention, as to the side of us were some excellent Cream-coloured Coursers which drew the attention of many of the group! Along with all this excitement 2 male Montagu's Harriers gracefully flew passed on migration.

After soaking up the atmosphere we moved on; next stopping at a lone tree in the middle of nowhere which held another of our target birds – a pair of Desert Sparrows! These were feeding young and shared the tree with a lone Collared Dove – bizarre! Elated it was time to move on, and with the increasing temperatures (and being mid-morning) we headed for Café Yasmina and coffee. A Spanish ringing group was studying and catching migrating birds within the tamarisk bushes at Yasmina, so all we had to do was relax with our coffee, 'scope the lake in front and wait for the migrant passerines to be brought to us! On the lake were Little Grebes, Moorhens, Coots, Ruddy Shelducks and a group of migrating Gull-billed Terns. Within the tamarisk bushes were, amongst others, Saharan and Western Olivaceous Warblers, Iberian Chiffchaffs, Reed, Sardinian and Subalpine Warblers and Nightingales; all of which were also seen 'in the hand'. Before we left a group of 8 Blue-cheeked Bee-eaters flew in and performed beautifully for us - just perfect!

Refreshed, it was time to head for the oasis at Merzouga with the surreal backdrop of the Erg Chebbi; en route we had further views of Greater Short-toed and Hoopoe Larks, as well as Cream-coloured Coursers. We had lunch at the oasis, after which we walked through the area to look for further migrants; Subalpine Warblers and Laughing Doves were evident, Blue-cheeked Bee-eaters appeared overhead and 2 Tree Pipits skulked below the palms.

With the increasing temperatures we visited the Berber Depot in Merzouga (a tea cum carpet shop) which was a wonderful experience, giving us all an insight into the Berber way of life. On leaving, we headed for the Merzouga Lake where we found good numbers of dabbling ducks, mainly Shoveler, Garganey and Pintail, also the unusual site of 2 Lesser Black-backed Gulls flying around, however more expected were the Greater Flamingos, Avocets, Kentish Plovers and Little Stints which together with the water, created a remarkable sight in the desert landscape. After a hugely successful day we headed back to Erfoud where we arrived back at the hotel at 16.00, elated, exhausted and ready for a rest before our evening meal.

Day 6

Wednesday 25th March

Erfoud to Ouarzazate – the Anti-Atlas 334km

A pre-breakfast amble across to the Oued Ziz produced nice views of Moroccan and Yellow Wagtails and stunning Blue-cheeked Bee-eaters. After breakfast, we loaded up the bus and commenced our journey back westwards through the arid and sparsely populated Anti-Atlas to Ouarzazate. Near Rissani we turned off the main road and after a short while stopped for our first views of Desert Larks and a distant Brown-necked Raven. This was then followed by a male Western Mourning Wheatear perched by the side of the busses and, after a short walk, excellent views of an adult Pharaoh Eagle Owls sitting at the entrance of a cave. Nearby, some Trumpeter Finches were ‘trumping’ at us as they flew by. Continuing on we had good views of a pair of Brown-necked Ravens as they flew alongside the buses before we stopped for coffee (and to purchase fossils) at Alnif. After which we headed for our lunch stop under the shelter of a lone tree in a oued near Tazzanine where a single Fulvous Babbler ‘sang’ from the top of the tree, along with resident White-crowned Black Wheatears and Desert Larks.

By mid afternoon we had descended into the lush valley bottom of the Draa which prompted a leg-stretch over the road bridge; this area was surprisingly quiet. So with us still having a fair distance to travel, we continued on and soon made our way over the dramatic Tizi-n-Tinififf pass before descending towards Ouarzazate. Before checking into our hotel we had time to visit the Barrage El Mansour Eddahbi again where we found a couple of migrating Ospreys, 5 Gull-billed Terns, a nice *brookei* Peregrine on a kill and watched 100’s of White Storks coming into roost as the sun set. With darkness falling we checked into our hotel where after freshening up we settled down to dinner.

Day 7

Thursday 26th March

Ouarzazate to Taroudant 305km

A pre-breakfast amble through the gardens of the hotel produced a few migrants including a Western Olivaceous Warbler, 2 Iberian Chiffchaffs calling and a Western Bonelli’s Warbler. After breakfast, we loaded up the bus again and headed for the southern side of the Barrage El Mansour Eddahbi. This area was very productive with the highlights being 13 Marbled Teal, circa 30 Collared Pratincoles and excellent views of a Red-throated Pipit. In the ‘roost’ were numerous White Storks and 8 Spoonbills and on the water there were many Cormorants and a selection of ducks. After a couple of hours we continued our journey westwards. The next stop was another leg-stretch along the Oued Irriri before ascending the Tizi-n-Bachkoum pass. The oued was relatively quiet although a Short-toed Eagle gave a lesson in how to consume a snake whilst soaring – like sucking up spaghetti!

Our next stop was the Tinfat Saffron ‘café’ near Taliouine for lunch, before which we had an amble through the Almond trees which produced good views of 2 Western Orphean Warblers together with 2 Song Thrushes. After lunch and purchasing quality Saffron we continued on and descended through the arid hills into the remnant Argan forests, a threatened habitat found only in Morocco.

At the head of the Souss valley, we stopped for a walk through the Argan forest where we had further views of Western Orphean Warblers amongst the numerous Woodchat Shrikes. Then at the bridge at Aoulouz, a former breeding site for Northern Bald Ibis, a few migrating raptors were noted; mainly Booted Eagles and a Kingfisher was found perched below the bridge, along with Cirl Buntings and Fan-tailed Warblers in the surrounding fields.

The drive then through the Souss Valley provided views of migrating Montagu's and Marsh Harriers before we arrived at the Hotel Palais Salame, in the ancient walled town of Taroudant at 18.45. After checking in and freshening up we relaxed and took in the atmosphere of our remarkable and unique hotel either side of dinner.

Day 8

Friday 27th March

Taroudant to Tamri and Agadir 190km

After breakfast we loaded up the bus and set off to our first destination of the day - Tamri. The drive through the Souss Valley provided a frustrating view of a Black-shouldered Kite but little else of note. As we drove along the coast, gulls were evident on the beaches however we didn't stop as the aim was to reach Tamri to spend time searching for one of the world's rarest birds. Due to the surfing activities at the mouth of the estuary, we continued on through Tamri and were soon rewarded with a group of 47 Northern Bald Ibis feeding on the hillside just off the road which allowed very close and extended views. From our elevated position we could look down to the mouth of the estuary and view the selection of Audouins, Yellow-legged and Lesser Black-backed Gulls, plus a few waders, including several Kentish Plovers.

Fulfilled, we headed back towards Tamri for our tagine lunch. Thereafter we checked in at the Hotel Argana, had a 'wash & brush up' and relaxed for an hour before heading to the Oued Souss. Arriving at the Oued Souss at 16.30 we had time to walk and scan over the oued and from our various vantage points a good selection of waterbirds were noted including a large group of Sandwich and Gull-billed Terns plus numerous Greater Flamingos and Spoonbills, Oystercatchers, Ringed Plovers, Grey Plovers, Dunlins, Curlews, Spotted and Common Redshanks and Greenshanks. We moved further down and amongst the plethora of gulls were 2 Common Gulls and a single Mediterranean Gull. As dusk fell we waited near the walls of the Royal Palace (under tight security!) and were rewarded with up to 4 Red-necked Nightjars singing and silhouette views of a bird displaying. We then returned to Agadir and our hotel where, after freshening up, we settled down to dinner and made plans for our final full day.

Day 9

Saturday 28th March

Agadir to Oued Massa 112km

After breakfast we headed along the coast to Oued Massa for our last full day in the field. Arriving at the track overlooking the oued we stopped and then gently walked towards the reserve entrance; from our vantage point we had excellent views of several flocks of Glossy Ibis, a Little Bittern and a Squacco Heron, plus some ducks which included a Ferruginous Duck. A few Quail were singing from within the adjoining fields. Walking further down, we managed close views of 3 Squacco Herons and within the agricultural fields several Moussier's Redstarts, Black-eared Wheatears, Fan-tailed Warblers and an obliging Black-crowned Tchagra entertained us; the latter singing away from a Date Palm tree. Continuing to walk further down the track towards the mouth of the oued produced views of some returning migrants such as Subalpine Warblers, along with further views of Moussier's Redstarts, Chiffchaffs and Sardinian Warblers and our first good views of Moroccan Cormorants along with several Spoonbills, a Greater Flamingo, 23 Marbled Teal, 4 Pintail, 2 Gadwall, a Pochard and a Snipe.

After lunch at the reserve entrance we moved up the oued to search for Plain Martin. On the walk down to the oued amongst the drier fields Fan-tailed Warblers, Yellow Wagtails and Stonechats entertained us, however we soon found our target birds; 2 Plain Martins hawking low down.

At the oued another Plain Martin was found and as a finale to the day a beautiful adult Purple Heron flew gracefully past. It was time to leave after another fulfilling day; we returned to the hotel in plenty of time to pack and freshen up before our final evening meal.

Day 10

Sunday 29th March

Agadir to Marrakech 240km

After an early breakfast, the first bus left at 05.30 in the direction of Marrakech with all those flying back on the morning flight to Gatwick. Heading over the west end of the High Atlas we made good time and stopped for coffee near Imi-n-Tanoute, which also provided an opportunity for a short presentation to our excellent driver, Mustapha before we arrived at Marrakech Airport. En route a few Calandra Larks were seen from the bus but with a time schedule to keep we couldn't stop. At the airport, we said our goodbyes to Mustapha, who we thanked for his impeccable driving and patience, delicious lunches and helpfulness throughout. We boarded our EasyJet flight to Gatwick which arrived on time.

Those on the afternoon flight enjoyed a more relaxing journey, leaving the hotel at 09.00 for Marrakech although not before adding Gannet to the trip list! Heading over the west end of the High Atlas up to 150 North African Ravens were noted circling over a hilltop and 2 Rock Buntings and a male Western Orphean Warbler were seen on a short walk. We made good time and stopped for coffee near Imi-n-Tanoute, which also provided an opportunity for a short presentation to our excellent co-driver Jahmal. Continuing on we had time to stop and have excellent views of several Calandra Larks before arriving at the airport. Here we said our goodbyes to Jahmal, who we thanked for his helpfulness throughout and also to Mustapha who came to say goodbye to those in the group who declined the opportunity to get up at 0500 to say goodbye in Agadir! We boarded our flight to Gatwick where after retrieving our luggage, we bid our farewells, reflecting on what a thoroughly enjoyable time we'd had.

Acknowledgements

We managed to find some of the birds for which Southern Morocco is justly renowned – including Northern Bald Ibis, Houbara Bustard, Desert Sparrow, Desert Warbler etc which provided some wonderful memories to take away; we also stayed in some fantastic hotels, ate some superb authentic food, and most importantly had a good laugh and made good friends on the way. We very much hope that we'll meet you all again in the future. Thanks to all for contributing to a great holiday.

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Bird List

	Common Name	Scientific Name	Date									
			20	21	22	23	24	25	26	27	28	29
1	Great Crested Grebe	<i>Podiceps cristatus</i>		6					8	6		
2	Little Grebe	<i>Tachybaptus ruficollis</i>		1				1			30	
3	Gannet	<i>Sula bassanus</i>										4
4	Cormorant	<i>Phalacrocorax carbo</i>		25					80	15	3	
5	Moroccan Cormorant	<i>Phalacrocorax carbo maroccanus</i>									4	
6	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>			15	12						
7	Cattle Egret	<i>Bubulcus ibis</i>		50	80	150			30	25	45	6 5
8	Squacco Heron	<i>Ardeola ralloides</i>									4	
9	Little Egret	<i>Egretta garzetta</i>		3		2	6	12	4	8	10	
10	Grey Heron	<i>Ardea cinerea</i>		3	1	2			2	14	13	5
11	Purple Heron	<i>Ardea purpurea</i>										1
12	Eurasian Spoonbill	<i>Platalea leucorodi</i>								6	8	60
13	Glossy Ibis	<i>Plegadis falcinellus</i>										48
14	Northern Bald Ibis	<i>Geronticus eremita</i>									52	
15	White Stork	<i>Ciconia ciconia</i>	6	20	30	5			200	300	16	3 2
16	Greater Flamingo	<i>Phoenicopterus ruber</i>						110			20	1
17	Ruddy Shelduck	<i>Tadorna ferruginea</i>						50	10	6		
18	Mallard	<i>Anas platyrhynchos</i>		8					15	12		15
19	Gadwall	<i>Anas strepera</i>										2
20	Teal	<i>Anas crecca</i>								20		
21	Garganey	<i>Anas querquedula</i>						15				
22	Pintail	<i>Anas acuta</i>						65	6			4
23	Shoveler	<i>Anas chrypeata</i>						45				
24	Marbled Teal	<i>Marmaronetta angustirostris</i>								13		23
25	Tufted Duck	<i>Aythya fuligula</i>										3
26	Pochard	<i>Aythya ferina</i>										1
27	Ferruginous Duck	<i>Aythya nyroca</i>										1
28	Black Kite	<i>Milvus migrans</i>		60	7	1				1		
29	Black-shouldered Kite	<i>Elanus caeruleus</i>		1							1	
30	Short-toed Eagle	<i>Circus gallicus</i>		2	7					2		
31	Grifon Vulture	<i>Gyps fulvus</i>		1								
32	Hen Harrier	<i>Circus cyaneus</i>		1								
33	Montagu's Harrier	<i>Circus pygargus</i>			1	3	2			2		
34	Marsh Harrier	<i>Circus aeruginosus</i>		2	3	3	5	4	10			
35	Sparrowhawk	<i>Accipiter nisus</i>		3						1	1	
36	Long-legged Buzzard	<i>Buteo rufinus</i>		3	5	12			3	1		
37	Osprey	<i>Pandion haliaetus</i>							3	2		
38	Booted Eagle	<i>Hieraaetus pennatus</i>		30	2	2	2			3		
39	Large Falcon sp	<i>Falco sp</i>		1	1					2		
40	Lanner Falcon	<i>Falco biarmicus</i>			3	1	1					
41	Common Kestrel	<i>Falco tinnunculus</i>	6	25	10	20	10	8	14	18	16	6
42	Peregrine	<i>Falco peregrinus brookei</i>							1	1		
43	Barbary Partridge	<i>Alectoris barbara</i>		1								
44	Quail	<i>Coturnix coturnix</i>										6h
45	Common Moorhen	<i>Gallinula chloropus</i>						1				12
46	Coot	<i>Fulica atra</i>						2		20	10	35
47	Houbara Bustard	<i>Chlamydotis undulata</i>						1				
48	Oystercatcher	<i>Haematopus ostralegus</i>									20	

49	Avocet	<i>Recurvirostra avosetta</i>					6					
50	Black-winged Stilt	<i>Himantopus himantopus</i>					50			5	8	
51	Stone-curlew	<i>Burhinus oedipnemus</i>				1				10		
52	Cream-coloured Courser	<i>Cursorius cursor</i>			1		25					
53	Collared Pratincole	<i>Glareola pratincola</i>							28			
54	Ringed Plover	<i>Charadrius hiaticula</i>								50		
55	Little Ringed Plover	<i>Charadrius dubius</i>			4	4	12	5	6			
56	Kentish Plover	<i>Charadrius alexandrinus</i>					2			18		
57	Grey Plover	<i>Pluvialis squatarola</i>								32		
58	Dunlin	<i>Calidris alpina</i>								20		
59	Knot	<i>Calidris canutus</i>								12		
60	Sanderling	<i>Calidris alba</i>								2		
61	Little Stint	<i>Calidris minuta</i>					3					
62	Common Snipe	<i>Gallinago gallinago</i>									1	
63	Curlew	<i>Numenius arquata</i>								2	2	
64	Whimbrel	<i>Numenius phaeopus</i>								1		
65	Spotted Redshank	<i>Tringa erythropus</i>								3		
66	Redshank	<i>Tringa totanus</i>					1			16	4	
67	Greenshank	<i>Tringa nebularia</i>						2		10	7	
68	Green Sandpiper	<i>Tringa ochropus</i>				1	2					
69	Common Sandpiper	<i>Actitis hypoleucos</i>						1		1		
70	Audouin's Gull	<i>Larus audouinii</i>								11		
71	Black-headed Gull	<i>Larus ridibundus</i>		9						45		
72	Mediterranean Gull	<i>Larus melanocephalus</i>								1		
73	Common Gull	<i>Larus canus</i>								2		
74	Western Yellow-legged Gull	<i>Larus michabellis michabellis</i>								400	350	200
75	Lesser Black-backed Gull	<i>Larus fuscus graellsii</i>					2			50	25	
76	Sandwich Tern	<i>Sterna sandvicensis</i>								180	3	4
77	Gull-billed Tern	<i>Sterna nilotica</i>		3			3	5	1	140		
78	Spotted Sandgrouse	<i>Pterocles senegallus</i>					30					
79	Crowned Sandgrouse	<i>Pterocles coronatus</i>			18	26						
80	Rock Dove/Feral Pigeon	<i>Columba livia</i>	12	100	50	120	20	50	60	50	75	40
81	Collared Dove	<i>Streptopelia decaocto</i>	14	50	30	45	40	60	75	60	60	40
82	Turtle Dove	<i>Streptopelia turtue</i>							2	4	15	
83	Laughing Dove	<i>Streptopelia senegalensis</i>			6	2	8	4	15	4	6	
84	Wood Pigeon	<i>Columba palumbus</i>	6	40					4	6	4	
85	Cuckoo	<i>Cuculus canorus</i>		1								
86	Pharaoh Eagle Owl	<i>Bubo ascalaphus desertorum</i>						1				
87	Tawny Owl	<i>Strix aluco</i>		4								
88	Little Owl	<i>Athene noctua</i>		1	1	2			1		2	
89	Red-necked Nightjar	<i>Caprimulgus ruficollis</i>								4h		
90	Egyptian Nightjar	<i>Caprimulgus aegyptius</i>					1+					
91	Alpine Swift	<i>Apus melba</i>				10						
92	Little Swift	<i>Apus affinis</i>	12	30	6			3		8	15	6
93	Pallid Swift	<i>Apus pallidus</i>	80	140	30	50			20	400	350	200
94	Kingfisher	<i>Alcedo atthis</i>							1			
95	Blue-cheeked Bee-eater	<i>Merops superciliosus</i>					70	40	2			
96	Bee-eater	<i>Merops apiaster</i>		200	250	55		15	500		60	1
97	Hoopoe	<i>Upupa epops</i>		2	2	1	1	1				
98	Crested Lark	<i>Galerida cristata</i>		12		10	6	12	30	45	30	25
99	Thekla Lark	<i>Galerida theklae</i>							2			
100	Short-toed Lark	<i>Calandrella brachydactyla</i>			60	70	50		100		4	30

101	Lesser Short-toed Lark	<i>Calandrella rufescens</i>				4	12	4													
102	Bar-tailed Lark	<i>Ammomanes cincturus</i>						2													
103	Desert Lark	<i>Ammomanes deserti payni</i>								10	6										
104	Calandra Lark	<i>Melanocorypha calandra</i>																			14
105	Thick-billed Lark	<i>Rhamphocorys clotbey</i>				2															
106	Temminck's Lark	<i>Eremophila bilopha</i>				20	10														
107	Hoopoe Lark	<i>Alaemon alaudipes</i>				4	6	35	1												
108	Sand Martin	<i>Riparia riparia</i>		20			6													8	
109	Plain Martin	<i>Riparia paludicola</i>																		3	
110	Crag Martin	<i>Ptyonoprogne rupestris</i>				30	25														
111	House Martin	<i>Delichon urbica</i>		25	10	50			8	2	6	3									
112	Red-rumped Swallow	<i>Hirundo daurica</i>	2	10	6	15	2					2	6	3							
113	Barn Swallow	<i>Hirundo rustica rustica</i>	25	450	200	100	20	35	160	45	120	50									
114	Tree Pipit	<i>Anthus trivialis</i>						2		3											
115	Red-throated Pipit	<i>Anthus cervinus</i>								2											
116	White Wagtail	<i>Motacilla alba</i>		2	1		3														
117	Moroccan Wagtail	<i>Motacilla alba subpersonata</i>		1	4	2	1	2													
118	Grey Wagtail	<i>Motacilla cinerea</i>		2	4																
119	Yellow Wagtail sp	<i>Motacilla flava</i>		75	1																
120	Blue-headed Wagtail	<i>Motacilla flava flava</i>									2										
121	Yellow Wagtail	<i>Motacilla flava flavissima</i>									1										
122	Spanish Wagtail	<i>Motacilla flava iberiae</i>					8	6	15	6	12	14									
123	Wren	<i>Troglodytes troglodytes</i>		2			1														
124	Common Bulbul	<i>Pycnonotus barbatus</i>	30	75	30	20	2	16	50	35	45	16									
125	Robin	<i>Eritacus rubecula</i>		2																	
126	Nightingale	<i>Luscinia megarhynchos</i>		3	8	2	2	1	10			2									
127	Stonechat	<i>Saxicola torquata</i>																		5	
128	Redstart	<i>Phoenicurus phoenicurus</i>				1	2	8	12	2											
129	Black Redstart	<i>Phoenicurus ochruros</i>				6															
130	Moussier's Redstart	<i>Phoenicurus moussieri</i>		2								2	5								
131	Wheatear	<i>Oenanthe oenanthe</i>				1	6	35	15	10	2	2									
132	Desert Wheatear	<i>Oenanthe deserti</i>				20	25		4	1											
133	Western Mourning Wheatear	<i>Oenanthe lugens</i>					2		1												
134	Black-eared Wheatear	<i>Oenanthe hispanica</i>		2			5	3	5	2	1	3									
135	Red-rumped Wheatear	<i>Oenanthe moesta</i>				30	20														
136	White-crowned Wheatear	<i>Oenanthe leucopyga</i>		5	2			12	45	2											
137	Black Wheatear	<i>Oenanthe leucura</i>		2	6	10			4	4											
138	Blue Rock Thrush	<i>Monticola solitarius</i>		1	4	2															
139	Blackbird	<i>Turdus merula mauritanicus</i>	6	40	30	40	15	16	14	8	22	6									
140	Song Thrush	<i>Turdus philomelos</i>								2											
141	Cetti's Warbler	<i>Cettia cetti</i>		6	4	4				2		4									
142	Sedge Warbler	<i>Acrocephalus schoenobaenus</i>							1	6		2									
143	Reed Warbler	<i>Acrocephalus scirpaceus</i>						1		1		1									
144	Fan-tailed Warbler	<i>Cisticola juncidis</i>								2	10	30									
145	Western Olivaceous Warbler	<i>Hippolais opaca</i>		3				2		3	2	12									
146	Eastern Olivaceous Warbler	<i>Hippolais pallida reiseri</i>						2													
147	Blackcap	<i>Sylvia atricapilla</i>	4	4	3	12	1			3		2	5								
148	Western Orphean Warbler	<i>Sylvia hortensis</i>								5											1
149	Whitethroat	<i>Sylvia communis</i>							1												
150	Sardinian Warbler	<i>Sylvia melanocephala</i>			2			1		1	10	14									
151	Western Bonelli's Warbler	<i>Phylloscopus bonelli</i>			3	2	1	2	8												
152	Willow Warbler	<i>Phylloscopus trochilus</i>											1								

153	Chiffchaff	<i>Phylloscopus collybita</i>			2		12	4	8	3		6	
154	Iberian Chiffchaff	<i>Phylloscopus ibericus</i>								3			
155	Tristram's Warbler	<i>Sylvia deserticola</i>			1								
156	Spectacled Warbler	<i>Sylvia conspicillata</i>				1	3						
157	Subalpine Warbler	<i>Sylvia cantillans</i>			1		1	5	10	4		3	
158	Desert Warbler	<i>Sylvia nana</i>						1					
159	Fulvous Babbler	<i>Turdoides fulvus</i>			5				1				
160	Atlas Coal Tit	<i>Parus ater atlas</i>			4								
161	Great Tit	<i>Parus major</i>			12		1				3		2
162	African Blue Tit	<i>Parus teneriffae ultramarinus</i>			8	6	4				1		
163	Black-crowned Tchagra	<i>Tchagra senegala</i>										5	
164	Southern Grey Shrike	<i>Lanius meridionalis elegans</i>					15	1	12	4			1
165	Southern Grey Shrike	<i>Lanius meridionalis algenensis</i>								1	6	10	1
166	Woodchat Shrike	<i>Lanius senator</i>			6	2	10	15	15	18	5		2
167	Jay	<i>Garrulus glandarius minor</i>			1								
168	Moroccan Magpie	<i>Pica pica mauritanica</i>			12						14	20	6
169	'North African' Raven	<i>Corvus corax tingitanus</i>			19								150
170	Brown-necked Raven	<i>Corvus ruficollis</i>							3				
171	Spotless Starling	<i>Sturnus unicolor</i>	6	30						6	25	35	5
172	Spanish Sparrow	<i>Passer hispaniolensis</i>								8			
173	House Sparrow	<i>Passer domesticus</i>	80	200	225	180	325	180	450	125	100	45	
174	Desert Sparrow	<i>Passer simplex</i>					2						
175	'North African' Chaffinch	<i>Fringilla coelebs africana</i>			25	4	2			12		4	6
176	Serim	<i>Serinus serinus</i>	2	16	20	10		2	8	4	8	2	
177	Linnet	<i>Acanthis cannabina</i>		6								8	
178	Goldfinch	<i>Carduelis carduelis parva</i>		20	40	20				4	2	6	4
179	Greenfinch	<i>Carduelis chloris voousi</i>	2	10	4					15	8		6
180	Siskin	<i>Carduelis spinus</i>		6									
181	Trumpeter Finch	<i>Bucanetes githagineus</i>				1	1		4				
182	Crossbill	<i>Loxia curvirostra poliogyna</i>		1									
183	Corn Bunting	<i>Miliaria calandra</i>		2						4	1		3
184	House Bunting	<i>Emberiza sabari</i>	30	15	35	20	2	20	12	8	10	6	
185	Rock Bunting	<i>Emberiza cia</i>		3	1	1							2
186	Cirl Bunting	<i>Emberiza cirius</i>		2						2	1	4	1
	Daily total		17	77	63	65	65	56	82	70	72	38	

Mammals

Fat Sand Rat (Tagdilt Plain),

Barbary Ground Squirrel (Tizi-n-Tiniffit pass, Tizi-n-Bachkoum pass, Massa etc)

Jerd sp (Barrage)

Reptiles and Amphibians

Terrapins (Draa River and Oued Massa)

various Lizard sp & Frog/Toad sp