

# Morocco - Butterflies of the High Atlas Mountains

Naturetrek Tour Report

7 - 14 June 2008



Near Tizi-n-Test



Desert Orange Tip



Moroccan Marbled White



Near Tizi-n-Test

Report and images compiled by Alan Miller



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## Day 1

Saturday 7th June

### Marrakech Airport to La Bergerie, Merigha (near Ouirgane), Morocco

Weather: Marrakech Airport, 10.15am – clear blue sky, light East wind, 20°C

Weather: Le Bergerie, 4pm – a little high cloud over the mountaintops, 30°C

Our holiday began at Gatwick Airport where we met, full of eager anticipation for the week ahead. Our Easyjet flight took off at 7.10am, 30 minutes late, but with favourable weather and a tail wind we made up the lost time and arrived in Morocco, at Marrakech Menara Airport, at 10.15am. Here we met Mohamed, our local guide, and Brahim, our driver. There were plenty of House Sparrows and a secretive white butterfly as we boarded our transport and left the Airport. Firstly, we travelled to the outskirts of Marrakech to visit a supermarket to buy the basics for our week's picnics. By 12pm the domestic chores were done and we set off towards the High Atlas Mountains.

As we passed through villages in the foothills, Alan talked about the trip and the local Berber people. En route, we saw more white butterflies tantalisingly disappearing along the roadside, but managed to identify a Moroccan Orange-tip. We also saw White Storks nesting on Minarets, a Bee-eater on a roadside wire, and there were many Cattle Egrets.

We stopped for a picnic beside the river near Asni. While lunch was being prepared, Common Blue, Small Copper and Speckled Wood were found, and in the tree above us Olivaceous Warbler was feeding young. Also, Mohamed found a Chameleon in the same tree, which proved a challenge to see.

After our picnic we headed into Asni. We made a stop outside the Police Station to photograph the Storks and Egrets nesting in the trees around the buildings, and then we visited the weekly Berber Market in the centre of Asni. The sights, sounds and smells are an amazing experience. The market was interesting, vibrant and colourful, as was the mule park (rather than a car park) and the Berbers trying their best to sell us local jewellery.

All too soon it was time to move on to our home for the week – La Bergerie, an auberge built in traditional Moroccan Berber style at Marigha, near Ouirgane.

After meeting Abdul and Jemma and settling into our rooms which were arranged round a central courtyard, we explored the grounds. Lack of rain over the winter meant that there were not many flowers in bloom, but we still found Small Heath, Common Blue, Long-tailed Blue and Common Tiger Blue, while in the background there were Sardinian Warblers, Common Bulbuls, Red-rumped Swallows and Rock Bunting.

At 7pm, we had our first evening get-together where Alan talked over the prospects for the coming week and did a log-call. At 8pm we enjoyed our evening meal sitting on the terrace; some chose typical Moroccan fare of beef or lamb tagines. As darkness fell and the outside lights were turned on we watched our first Moorish Gecko, and as we made our way back to our rooms after dinner we saw three Mauritanian Toads near the swimming pool. All agreed it had been a good start to the holiday and we looked forward to seeing what the next day would bring.

## Day 2

Sunday 8th June

Morning: Azzaden Valley, east of Tessa Ouirgane

Afternoon: walk from La Bergerie towards Oued (River) Nfis

Weather: clear sky and light southerly breeze at 9am, 26°C. Late morning cloud developed, drizzle 1pm to 3pm, then remained cloudy

The group met for breakfast at 7.30am. Owing to the forecast of possible rain later in the day, the itinerary we had planned was reversed. At 8.30am, we set off for the short drive to Tessa Ouirgane then proceeded on foot along the track to the Azzaden Valley. Along the trail we saw Clouded Yellow and Small White butterflies, Barbary Ground Squirrel and Jays. Once at the river we spent a pleasant couple of hours exploring and added the butterflies Bath White and Amanda's Blues to our list. We also found a pair of Oscillated Lizards and an Atlas Agama, and Phil located a Tristram's Warbler.

By 11.30am clouds were gathering over the high peaks and thunder was rumbling, so we set off back towards our transport. A stop at the watch point failed to locate any Mouflon (Barbary Sheep) on the Reserve, but on entering Tessa Ouirgane we added False Baton Blue and Spotted Fritillary to our list, and were captivated by a very obliging African Chameleon. We delayed our departure for a bit after spotting a Golden Oriole and Hawfinch near our minibus.

Unfortunately, back at La Bergerie, while having a sandwich lunch, it started to rain. We took our time with lunch as the rain looked as if it had set in for a while. By 3pm the rain had stopped and, although cloudy, most of the group set off to walk through Merigha towards the Oued Nfis. En route we saw good numbers of Common Tiger Blue Butterflies on the roadside vegetation but little else, due to the lack of sun. We saw a Woodchat Shrike – a new species for our list – being mobbed by Spotted Flycatchers. We made our way back to La Bergerie and a circuit of the gardens revealed a Common Blue butterfly, Black-eared Wheatear and Cirl Bunting.

We adjourned at 6pm for showers before log-call at 7.30pm and dinner at 8pm. Electrical power in the area had been lost for most of the day and the auberge was running on a generator.

While we were eating our main course all the power went off for a short period and we had an atmospheric spell resorting to candles and torches till service was restored. At 10.15pm everyone adjourned for the night. However, we were again distracted passing the swimming pool and stopped to photograph three Mauritanian Toads.

## Day 3

Monday 9th June

### Oukaïmeden

Weather: clear, blue, cloudless sky with no wind at 7.30am. There was a little high cloud at higher altitude, a moderate breeze; 22°C. More cloudy by 2pm and temperatures had dropped to 15°C. As we came down the mountain, temperatures rose to 25°C at 6pm

We departed at 8.30am for the drive to Oukaïmeden (2,668 metres). After stopping at Tnin Ourike for provisions, we reached Oukaïmeden basin at 10.45am, just as a Bonelli's Eagle passed overhead. Our first stop was to see the prehistoric rock carvings dating back over 3,000 years. Mohamed entertained everyone by finding a scorpion which he caught and held in his hand. A search around the rocks revealed Cardinal and a blue later identified as Atlas Blue.

We took a gentle walk around the lake and through the meadow basin before having our picnic lunch. At the lake were Marsh and Stripeless Tree Frogs, and a Viperine Water Snake. Four Barbary Falcons hawked over the water. Spotted Fritillary and Clouded Yellow were the main butterflies in the meadow, and a Seeböhm's Wheatear showed well.

After our picnic lunch using tables at one of the small cafés, we walked the path above the viewpoint towards Gliz. As it was cloudy, few butterflies were in flight, but we saw Rosy-grizzled Skipper and good views of Horned Lark and Crimson-winged Finch. A last sweep across the rocky hillside found a good number of Mazarine Blues on a patch of vegetation, together with another Atlas Blue.

At 4pm we started the return journey, arriving back at La Bergerie at 5.45pm. After a wash and freshen-up the log-call was at 7.30pm, followed by our evening meal. After all that the fresh air, everyone had adjourned to their rooms by 10pm.

## Day 4

Tuesday 10th June

### Return walk from Imlil east past Tamatert, towards the pass at 2,279 metres

Weather: fine, clear blue sky and 20°C in the shade at breakfast. The temperature increased to a high of 28°C at 3pm.

After breakfast we drove to Asni then took the road to Imlil, a road-head village 17km along the valley. About 5km from Imlil, we found the road blocked. During the night a water channel had leaked and caused a massive rock fall. We waited for half an hour while a man in a digger skilfully removed fallen rock and bulldozed a new track. The backlog of traffic then carefully negotiated the hazard and we were able to continue.

Once at Imlil fresh provisions were bought and by 10am we set off walking east along a good track towards Tamatert. New species of butterfly were added to the list when we saw Green-veined White and a Large Tortoiseshell, which settled on John's trouser leg and allowed some interesting pictures. We also saw many skippers including Small, Moroccan Small and Essex. There was a light-hearted moment when we were stalking a skipper only to see a Spotted Flycatcher take it in front of our eyes and eat it! A new bird for our list was Levillant's Green Woodpecker.

As we reached the lunch stop, which was under some pines beside a small stream at about 2,000 metres, we found a Queen of Spain Fritillary. We then enjoyed a well-earned rest and lunch, accompanied by a bottle of rose, which we chilled in the mountain stream.

Following lunch the group split and Mohamed took most on a gentle descent back to Imlil. Meanwhile, Alan accompanied John towards the pass at 2,279 metres in search of grayling species. On the way they had good views of Moussier's Redstart and Firecrest. Their efforts were rewarded when they reached the higher rocky slopes and they found four Dark Giant Grayling, including a male which settled nicely on a thistle to allow photographs. While descending from the top a Black Wheatear was spotted.

Alan and John got back to Imlil at 4.20pm, by which time Mohamed's group had just come out of a café, so after a quick look at the shops we went back to the minibus for the return drive to La Bergerie, arriving there at 5.20pm.

Log-call was at 7.15pm, followed by dinner. After the meal, returning to our rooms, we again stopped at the swimming pool to watch the Mauretanian Toads, and at the entrance to our block for Moorish Geckos. This was getting to be a nightly ritual!

## Day 5

Wednesday 11th June

### Tizi-n-Test

Weather: clear blue sky, no cloud, 19°C at breakfast. Sunny all day; in a secluded high valley, at 3pm, a temperature of 42°C was recorded

Today we drove to another area of the High Atlas – the high pass of Tizi-n-Test at 2,092 metres. Our plan was to keep stopping at suitable locations en route. Just after calling at Ijoukak for fresh things for our picnic, Barbary Ground Squirrels were spotted, so we made a quick stop and a family entertained us on the scree beside the road. Our next stop was to photograph an old Kasbah. This proved fruitful for the birders, as we had good views of Roller and Rufous Bush Robin. Common Tiger Blue was also found on roadside vegetation.

Next we saw an obliging Moussier's Redstart on a roadside wire, so we stopped. Also in the area were Long-tailed Blue, together with Rock Sparrow and House Bunting. We had parked next to a Eucalyptus tree in full flower and it was alive with bees.

A little further along we stopped for Mohamed to show us a Caper bush and he explained how the locals eat the flowers from the buds just before they open. The stop was fruitful as around the bushes were Desert Orange Tip Butterflies.

Our last stop before lunch was at a little stream high in the mountains. This was a very productive butterfly stop with views of Vaucher's Heath, Giant Grayling, Dark Giant Grayling, Cardinal, False Ilex Hairstreak and Moroccan Meadow Brown. Also, we saw the endemic Atlas Goldenring dragonfly. We adjourned as a goat-herder brought a large herd of goats through the area we were searching, but it did provide a good photographic opportunity.

Our picnic lunch was taken on the terrace at the Auberge de Belle Vue with stunning views to the south. Here we saw good numbers of Large White Butterflies together with a family of Blue Rock Thrush and Crag Martin. After lunch we returned on the same route. Our main stop was in an area covered with wild thyme next to a newly created reserve for Mouflon. While we didn't see the Barbary sheep, we did add Brown Argus to the trip list and recorded our highest temperature, 42°C.

At 4pm we made a cultural stop at the 12th century Mosque de Timnel, the oldest in Morocco. The mosque has been renovated over the last 10 years and we were allowed to enter. Once inside, Mohamed explained its history and we found a Tawny Owl roosting in the rafters, together with a chick.

It was after 5.45pm when we arrived back at La Bergerie. Log-call was at 7.30pm, before dinner.

## Day 6

Thursday 12th June

### Oukaïmeden

Weather: clear blue sky and sun all day. 20°C at breakfast and at Oukaïmeden, rising to 30°C at 4pm in the valley at the Asgan Pottery

Today we left La Bergerie to make a return visit to Oukaïmeden, but this time we stopped at various places en route. First stop was the police station at Asni to photograph White Storks and Cattle Egrets in better light, in the trees behind the buildings. Again we called at Tnin Ourike for picnic provisions and then on towards Oukaïmeden.

On the climb to the ski station we found Moroccan Copper. Also in the area were Atlas Blue and Cardinal, and on the hillside a flock of 150 chough. House Martins also patrolled overhead. In good spirits, we headed for our next stop to look for woodpeckers. We found Great Spotted Woodpecker, but the star bird was a male Atlas Flycatcher.

We continued upwards to an area which was alive with wild flowers. This proved to be our most productive stop with butterflies including Spanish Festoon, Moroccan Wall Brown, Cleopatra, Moroccan Marbled White and Clouded Yellow. As time was overtaking us we had our picnic here to the song of Tristram's Warbler showing on a post near us.

At 1.30pm we headed towards the narrow entrance to the Oukaïmeden basin and admired the large stands of Marsh Orchid, together with Amanda's Blue and Small Skipper at the roadside. Once at the basin we did a circuit of the lake, adding Aetherie Fritillary to the butterfly list and Coot to the bird list. We also saw several Viperine Water Snakes but the stars were numerous Blue Emperor Dragonflies which had just emerged into life and were on the reeds drying their wings, allowing us to get some superb photographs.

Before leaving Oukaïmeden we visited a café for refreshments. We broke the return journey with a visit to Asgan Pottery and saw the local potter at work throwing vases. We arrived back at La Bergerie at 6.15pm after a full day. Log-call was at 7.30pm, followed by dinner.

## Day 7

Friday 13th June

### Marigha to Amez Miz

Weather: clear blue sky and sun all day. The air was still in the morning with a light breeze in the late afternoon. It was 20°C at breakfast, rising to 40°C after lunch

After breakfast we drove towards Amez Miz to explore the valley along the Oued (river) Nfis. We walked a section past the Salt Works which had been very productive on the last visit, but due to the lack of spring rain there were few roadside flowers and we only saw a Spotted Fritillary and a Small White. Birds were more productive with good views of Nightingale, Tristram's Warbler and Black-eared Wheatear, together with a party of six Barbary Partridge were disturbed in a tree. While we had been walking, our driver Mohamed had been to Asni to collect picnic essentials and he caught up with us at 9.30am.

We moved on and made our main stop near the Hydrological Station. Once down the slope and over the riverbed we explored some fields with crops, mainly alfalfa, in flower. These were alive with butterflies including seven species of 'blues', three of which were new for the trip – African Grass Blue, African Babal Blue and Lang's Short-tailed Blue. A Praying Mantis was also found. On the rocks above the Station was a Kestrel nest with young visible. Also along the riverbed were Little Ringed Plover and Moroccan Wagtail.

At 12.30pm it was time for lunch and we stopped at the farm village of Ait Zitoun (meaning People of the Olives in Berber). We had our picnic (and Moroccan mint tea) in a Berber farmhouse and exchanged talk with the owner while his grandchildren helped us with the picnic. Before leaving we explored a little of the farm and found more Long-tailed Blue, Common Blue and Common Tiger Blue. A new bird was Fan-tailed Warbler which 'zitted' as it flew over, hence the other name Zitting Cisticola.

By 2.30pm it was getting very hot, and the temperature had risen to 40°C, so we started our return journey, interrupted when a Short-toed Eagle was spotted. We got back to La Bergerie at 3.15pm to allow everyone some time to prepare for an early departure the following day.

The last log call was at 6.45pm, incorporating a round of 'Best butterfly of the trip', which was won by John, whose butterfly had changed into a Chameleon! Our final dinner was typical Moroccan fare of Moroccan salad, lamb tagine with couscous followed by oranges with cinnamon. We then adjourned in readiness for an early start.

## Day 8

Saturday 14th June

### La Bergerie to Marrakech

Weather: clear, starry morning. Dawn broke to a bright, cloudless and sunny day. It was 26°C as we departed from Marrakech airport

At 5.30am, en route to the breakfast room, Mohamed heard a Nightjar churring. Following breakfast we said our goodbyes to La Bergerie and departing just after 6.00am. On the outskirts of Marrakech a Hoopoe flew in front of our vehicle, and following a good trip we arrived at the airport at 7.15am.

There was some confusion at the airport as our tickets showed check-in at 8am for a 10am flight yet the Departures board showed our flight at 11am. When we eventually boarded at 10.30am the Captain welcomed us for a 10.00am departure. It would appear Easyjet were in a different time zone to everyone else!

The group said it's goodbyes to both Mohameds, and to Paul who was staying on for a couple of nights in Marrakech. We then adjourned to the cafe to await check-in to open.

Whilst waiting for the flight Small Whites were around the flowers outside the terminal building, and the last new bird was Pallid Swift hawking around the airport. As we went through the Boarding gate a House Bunting, trapped inside the building, sat on the display sign for our London Gatwick flight. "He won't get there without a passport" quipped Phil.

After a smooth flight we landed safely at London Gatwick airport and after 'goodbyes' we all departed for our onward journeys home.

**Summary:** In all it had been a good week but the lack of Spring rains had resulted in much fewer flowers, many of which had gone over. This meant we had to work harder for our results but the effort certainly paid off as we saw 47 species of butterflies including 6 of the 8 endemics, and 80 species of birds including all the specialities of the High Atlas (this was more butterfly and bird species than on the last trip). Additionally we saw a good variety of reptiles and amphibians, and an endemic dragonfly and damselfly. All this coupled with magnificent scenery and an insight into the Berber people made this a wonderful holiday. Many thanks to all the Naturetrek Group members for their contributions and their friendship.

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The Naturetrek Facebook page is now live: <http://www.facebook.com/pages/Naturetrek-Wildlife-Holidays/9765181485>. Setting up a personal profile at [www.facebook.com](http://www.facebook.com) is quick, free and easy. Do please pay us a visit!



## Species Lists

### Butterflies

	Common name	Scientific name	June									
			7	8	9	10	11	12	13	14		
1	Spanish Festoon	<i>Zerynthia rumina africana</i>						1				
2	Large White	<i>Pieris brassicae</i>					8	6	2			
3	Small White	<i>Pieris rapae mauretanic</i>		15	2	6	6	6	10	2		
4	Green-veined White (HA ssp)	<i>Pieris napi segonzaci</i>				2		1				
5	Bath White	<i>Pontia daplidice</i>		4	1	20	6	2	2			
6	Moroccan Orange-tip	<i>Anthocharis belia</i>	1	1								
7	Desert Orange-tip	<i>Colotis evagore nouna</i>					3					
8	Clouded Yellow	<i>Colias croceus</i>	2	2	12	15	12	15	10			
9	Brimstone	<i>Gonepteryx rhamni meridionalis</i>	1					2				
10	Cleopatra	<i>Gonepteryx cleopatra</i>			1		2	6				
11	False Ilex Hairstreak	<i>Nordmannia esculi mauretanic</i>					20					
12	Small Copper	<i>Lycaena phlaeas</i>	1	4	1	12	12	6	2			
13	Moroccan Copper (M end)	<i>Thersamonia phoebus</i>						3				
14	Long-tailed Blue	<i>Lampides boeticus</i>	2				1		6			
15	Lang's Short-tailed Blue	<i>Leptotes pirithous</i>							3			
16	Common Tiger Blue	<i>Tarucus theophrastus</i>	2	12			2		4			
17	African Babul Blue	<i>Azanus jesous</i>							1			
18	African Grass Blue	<i>Zizeeria knysna</i>							4			
19	Black-eyed Blue (HA ssp)	<i>Glaucopsyche melanops alluaudi</i>				2						
20	False Baton Blue	<i>Pseudophilotes abencerragus</i>		1								
21	Brown Argus	<i>Aricia agestis cramera</i>					1		2			
22	Mazarine Blue (M ssp)	<i>Cyaniris semiargus maroccana</i>			8			3	6			
23	Amanda's Blue (NA ssp)	<i>Agrodiaetus amanda abdelaziz</i>		1	2			8	6			
24	Atlas Blue (HA ssp)	<i>Plebicula atlantica atlantica</i>			2	1	1	1				
25	Common Blue	<i>Polyommatus icarus</i>	4	1	1			1	4			
26	Large Tortoiseshell (NA ssp)	<i>Nymphalis polychloros erythromelas</i>				1						
27	Painted Lady	<i>Cynthia cardui</i>			1		1	1				
28	Cardinal (NA ssp)	<i>Pandoriana pandora seitze</i>			1		2	3				
29	Queen of Spain Fritillary	<i>Issoria lathonia</i>				1						
30	Aetherie Fritillary	<i>Melitaea aetherie algerica</i>						1				
31	Spotted Fritillary	<i>Melitaea didyma occidentalis</i>		1	12			20	5			
32	Moroccan Marbled White (M ssp)	<i>Melanargia galathea lucasi</i>			1		6	15	1			
33	Giant Grayling (NA end)	<i>Berberia abdelkader abdelkader</i>					6					
34	Dark Giant Grayling (NA end)	<i>Berberia lambessanus</i>				5	2					
35	Moroccan Meadow Brown (M end)	<i>Hyponephele maroccana</i>					1					
36	Small Heath	<i>Coenonympha pamphilus lyllus</i>	2					1	1			
37	Vaucher's Heath (M end)	<i>Coenonympha vaucheri vaucheri</i>					4					
38	Speckled Wood	<i>Pararge aegeria aegeria</i>	2			6	2	4	2			
39	Wall Brown	<i>Lasiommata megera megera</i>				15	4		2			
40	Moroccan Wall Brown (HA end)	<i>Lasiommata meadewaldoi</i>						1				
41	Large Grizzled Skipper	<i>Pyrgus alveus numida</i>				1						
42	Rosy Grizzled Skipper	<i>Pyrgus onopordi</i>			1	1	1					
43	Red-underwing Skipper	<i>Spialia sertorius ali</i>						1				
44	Marbled Skipper	<i>Carcharodus lavatherae</i>		1		1		1				
45	Moroccan Small Skipper (NA end)	<i>Thymelicus hamza</i>				3						
46	Essex Skipper	<i>Thymelicus lineola semicolon</i>				1						

47	Small Skipper	<i>Thymelicus sylvestris iberica</i>				1		1	1	
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## Birds

	Common name	Scientific name	June							
			7	8	9	10	11	12	13	14
1	Cattle Egret	<i>Bubulcus ibis</i>	50		30	12	1	30	1	12
2	Grey Heron	<i>Ardea cinerea</i>					1			
3	White Stork	<i>Ciconia ciconia</i>	20		12			12		10
4	Short-toed Eagle	<i>Circaetus gallicus</i>							1	
5	Northern Sparrowhawk	<i>Accipiter nisus</i>	1					1		
6	Long-legged Buzzard	<i>Buteo rufinus cirtensis</i>			1					
7	Bonelli's Eagle	<i>Hieraaetus fasciatus</i>			1					
8	Barbary Falcon	<i>Falco pelegrinoides</i>			4					
9	Lanner Falcon	<i>Falco biarmicus</i>						1		
10	Common Kestrel	<i>Falco tinnunculus</i>	1		1	1		2	5	
11	Barbary Partridge	<i>Alectoris barbara</i>		1	1	1	H		6	
12	Feral Rock Dove	<i>Columba livia (feral)</i>	12	12	10	12	12	12	12	10
13	Woodpigeon	<i>Columba palumbus</i>	6	9	2	4	2	3	6	
14	Collared Dove	<i>Streptopelia decaocto</i>	10	6	2	2	4	3	6	2
15	Turtle Dove	<i>Streptopelia turtur</i>	H	6	2	1	2	1	6	
16	Tawny Owl	<i>Strix aluco</i>					2			
17	Nightjar	<i>Caprimulgus europaeus</i>								H
18	Common Swift	<i>Apus apus</i>	2	2				64		
19	Pallid Swift	<i>Apus pallidus</i>								20
20	Hoopoe	<i>Upupa epops</i>								1
21	European Bee-eater	<i>Merops apiaster</i>	1					1		
22	European Roller	<i>Coracias garrulus</i>					2	1		
23	Levaillant's Green Woodpecker	<i>Picus vaillantii</i>				2				
24	Great-spotted Woodpecker	<i>Dendrocopos major</i>		H				1		
25	Crested Lark	<i>Galerida cristata</i>	4		1			2	4	
26	Shore Lark	<i>Eremophila alpestris</i>			4					
27	Crag Martin	<i>Ptyonoprogne rupestris</i>					3			
28	House Martin	<i>Delichon urbica</i>						12		
29	Red-rumped Swallow	<i>Hirundo daurica</i>	12	12	12	12	6	6	15	2
30	Swallow	<i>Hirundo rustica</i>	6		2			4	2	
31	White Wagtail	<i>Motacilla alba</i>	3				1		1	
32	Moroccan Wagtail	<i>Motacilla alba subpersonata</i>							1	
33	Grey Wagtail	<i>Motacilla cinerea</i>	1	1		1	1	1	1	
34	Iberian Yellow Wagtail	<i>Motacilla flava iberiae</i>	1	1						
35	Common Bulbul	<i>Pycnonotus barbatus</i>	12	12	12	12	6	10	10	4
36	Nightingale	<i>Luscinia megarhynchos</i>	H	1	H	H	H	1	6	
37	Rufous Bush Robin	<i>Cercotrichas galactotes</i>					4			
38	Black Redstart	<i>Phoenicurus ochruros</i>			8		1			
39	Moussier's Redstart	<i>Phoenicurus moussieri</i>			1	3	2	1		
40	Seeböhm's Wheatear	<i>Oenanthe oenanthe seebohmi</i>			2			1	1	
41	Black-eared Wheatear	<i>Oenanthe hispanica</i>		2			1		2	
42	Black Wheatear	<i>Oenanthe leucura</i>			1	2	1	2	1	
43	Blue Rock Thrush	<i>Monticola solitarius</i>			2		5	2		
44	Blackbird	<i>Turdus merula</i>	8	6	6	6	6	8	8	
45	Mistle Thrush	<i>Turdus viscivorus</i>			H			1		
46	Fan-tailed Warbler	<i>Cisticola juncidis</i>							1	

	Common name	Scientific name	June							
			7	8	9	10	11	12	13	14
47	Western Olivaceous Warbler	<i>Hippolais opaca</i>	3	2	5	5	3	5	4	
48	Melodious Warbler	<i>Hippolais polyglotta</i>						2		
49	Spectacled Warbler	<i>Sylvia conspicillata</i>				1				
50	Blackcap	<i>Sylvia atricapilla</i>		H		H			H	
51	Sardinian Warbler	<i>Sylvia melanocephala</i>	2	4	1		H	1	2	
52	(Western) Orphean Warbler	<i>Sylvia hortensis hortensis</i>		1						
53	Tristram's Warbler	<i>Sylvia deserticola</i>		1				1	2	
54	Firecrest	<i>Regulus ignicapillus</i>				1				
55	Spotted Flycatcher	<i>Muscicapa striata</i>	1	3		3	6	3	1	
56	Atlas Flycatcher	<i>Ficedula speculigera</i>						1		
57	Coal Tit	<i>Parus ater</i>		H		2	H		6	
58	Great Tit	<i>Parus major</i>		3		6	2	2		
59	Blue Tit	<i>Parus caeruleus ultramarinus</i>		5	2	2		1		
60	Wren	<i>Troglodytes troglodytes</i>		H	1	H		1		
61	Woodchat Shrike	<i>Lanius senator</i>		2				1	2	
62	Jay	<i>Garrulus glandarius</i>		2						
63	Magpie	<i>Pica pica mauritanica</i>							1	1
64	Chough	<i>Pyrrhocorax Pyrrhocorax</i>			60	1		150		
65	Alpine Chough	<i>Pyrrhocorax graculus</i>			60			12		
66	Raven	<i>Corvus corax</i>			1			2		
67	Golden Oriole	<i>Oriolus oriolus</i>		1	H	H	2	H	2	
68	Rock Sparrow	<i>Petronia petronia</i>			4		1			
69	Spanish Sparrow	<i>Passer hispaniolensis</i>								1
70	House Sparrow	<i>Passer domesticus</i>	20	20	10	20	20	20	20	8
71	Chaffinch	<i>Fringilla coelebs africana</i>	2	4	2	8	4	10	6	
72	Serin	<i>Serinus serinus</i>	1	4	10	15	10	10	2	
73	Linnet	<i>Acanthis cannabina</i>			2	2	4	2		
74	Goldfinch	<i>Carduelis carduelis</i>	5	9	H	3	2		2	
75	Greenfinch	<i>Carduelis chloris</i>	1			2				
76	Hawfinch	<i>Coccothraustes coccothraustes</i>		1						
77	Crimson-winged Finch	<i>Rhodopechys sanguinea</i>			1					
78	Corn Bunting	<i>Miliaria calandra</i>			1			H	1	
79	House Bunting	<i>Emberiza striolata sahari</i>		4	2	6	12	6	6	2
80	Rock Bunting	<i>Emberiza cia</i>	1	2		4	2		1	
81	Cirl Bunting	<i>Emberiza cirlus</i>	1	1	1			1		

## Mammals

Common name	Scientific name	June							
		7	8	9	10	11	12	13	14
Barbary Ground Squirrel	<i>Atlantoxerus getulus</i>		x			x	x	x	
Bat sp.		x				x	x		

## Reptiles

Moorish Gecko	<i>Tarentola mauritanica</i>	x	x	x	x	x	x	x	x
Atlas Agama	<i>Agama impalearis</i>		x				x	x	
Wall Lizard	<i>Podarcis hispanica</i>						x		
African Chameleon	<i>Chamaelea africanus</i>	x	x						
Ocellated Lizard	<i>Lacerta lopida</i>		x						

Common name	Scientific name	June							
		7	8	9	10	11	12	13	14
Mauretanian Lizard				x					
Allunette Lizard				x					
Iberian Rock Lizard	<i>Lacerta monticola</i>			x					
Large Psammodromus	<i>Psammodromus algirus</i>						x		
Viperine Water Snake	<i>Natrix maura</i>			x			x		
Montpellier Snake	<i>Malpolon monspessulanus</i>				x				

## Amphibians

Marsh Frog	<i>Rana ridibunda</i>		x	x		x	x	x	
Stripeless Tree Frog	<i>Hyla meridionalis</i>			x			x		
Mauritanian Toad	<i>Bufo mauritanicus</i>	x	x	x	x	x	x	x	x

## Dragonflies

Copper Damoiselle	<i>Calopteryx haemorrhoidalis</i>		x						
Mediterranean Bluet	<i>Coenagrion caerulescens</i>			x			x		
Blue Emperor	<i>Anax imperator</i>			x			x		
Atlas Goldenring	<i>Cordulegaster princeps</i>					x			
Barbary Featherleg	<i>Platycnemis subdilatata</i>						x		

## Others

Ant-lion	<i>Creoleon lugdunensis</i>	x							
Egyptian Grasshopper	<i>Anacridium aegyptium</i>	x							
Firebug	<i>Pyrrhocoris apterus</i>	x							
Groundhopper	<i>Dociostaurus moroccanus</i>		x						
Blue Flash colour Grasshopper	<i>Oedipoda caerulescens</i>		x				x		
Blue Sand-grasshopper	<i>Sphingonotus caerulans</i>		x					x	
Leaf Beetle	<i>Clytra 4-punctata</i>		x						
Longhorn Beetle sp.			x						
Ladybird	<i>Epilachna chrysomelina</i>		x						
Hummingbird Hawkmoth	<i>Macroglossum stellatarum</i>		x		x	x			
Cricket sp.			x						
Dung Beetle	<i>Aphodius rufipes</i>			x	x				
7-Spot Ladybird	<i>Coccinella 7-punctata</i>			x			x	x	
10-Spot Ladybird	<i>Adalia 10-punctata</i>			x					
Scorpion	<i>Buthus occitanicus</i>			x					
Bee Fly	<i>Bombylius major</i>			x					
Yellow Flash colour Gr'hopper	<i>Oedaleus decorus</i>				x				
Red Flash colour Grasshopper	<i>Oedipoda germanica</i>					x			
Common Forester moth	<i>Adscita statices</i>						x		
Praying Mantis	<i>Mantis religiosa</i>							x	